brother

User's Guide

Safety and Legal

Basic User's Guide

Advanced User's Guide

Safety and Legal

(HL-2220 / HL-2230 / HL-2240 / HL-2240D /HL-2270DW / DCP-7060D / DCP-7065DN / HL-2280DW / MFC-7360N / MFC-7460DN / MFC-7860DW)

Please read this booklet before attempting to operate the product, or before attempting any maintenance. Failure to follow these instructions may result in an increased risk of personal injury or damage to property, including through fire, electrical shock, burns or suffocation.

Symbols and conventions used in the documentation

The following symbols and conventions are used throughout the documentation.

Bold	Bold typeface identifies specific keys on the product's control panel, on the computer screen.
Italics	Italicized typeface emphasizes an important point or refers you to a related topic.
`Courier New`	Text in Courier New font identifies messages on the LCD of the product.

⚠ WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injuries.

⚠ CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injuries.

❗ IMPORTANT

IMPORTANT indicates a potentially hazardous situation which, if not avoided, may result in damage to property or loss of product functionality.

Notes tell you how you should respond to a situation that may arise or give tips about how the operation works with other features.

Electrical Hazard icons alert you to possible electrical shock.

Improper Setup icons alert you to devices and operations that are not compatible with the product.

Hot Surface icons warn you not to touch product parts that are hot.

Follow all warnings and instructions marked on the product.

Note

The illustrations in this guide show the HL-2240D and MFC-7860DW.

Version 0

USA/CAN

Compilation and Publication

Under the supervision of Brother Industries, Ltd., this manual has been compiled and published, covering the latest product descriptions and specifications.

The contents of this manual and the specifications of this product are subject to change without notice.

Brother reserves the right to make changes without notice in the specifications and materials contained herein and shall not be responsible for any damages (including consequential) caused by reliance on the materials presented, including but not limited to typographical and other errors relating to the publication.

Choosing a location

Put your product on a flat, level, stable surface that is free of vibration and shocks, such as a desk. Put the product near a telephone wall jack and a standard grounded AC power outlet. Choose a location where the temperature remains between 50°F and 90.5°F (10°C and 32.5°C) and the humidity is between 20% to 80% (without condensation).

⚠ WARNING

DO NOT expose the product to direct sunlight, excessive heat, open flames, corrosive gasses, moisture or dust. Doing so may create a risk of an electrical short or fire. It may also damage the product and/or render it inoperable.

DO NOT place the product near heaters, air conditioners, electrical fan, refrigerators, or water. Doing so may create the risk of a short circuit or fire, should water come into contact with the product (including condensation caused by heating/air conditioning/ventilation equipment).

DO NOT place the product near chemicals. Should the chemicals come into contact with the product, there may be a risk of fire. The chemicals may also cause the product to malfunction or become discolored.

DO NOT put the product in a location where any slot or opening in the product is obstructed or blocked. These slots and openings are provided for ventilation. Blocking the product's ventilation could create a risk of overheating and/or fire.

Instead:

- Keep a gap of roughly 4 in. (100 mm) between the ventilation hole and the wall.
- Place the product on a solid surface, never on a bed, sofa, rug, or other similar soft surface.
- DO NOT place this product near or over a radiator or heater.
- DO NOT place this product in a “built-in” installation unless adequate ventilation is provided.

DO NOT put objects on top of the product. Doing so could increase the risk of overheating and/or fire should the product malfunction.

DO install your product near an AC power outlet that is easily accessible. In the event of an emergency, easy access to the plug and outlet will allow you to shut off power to the product quickly and completely.

Plastic bags are used in the packing of your product and drum unit. Plastic bags are not toys. To avoid the danger of suffocation, keep these bags away from babies and children and dispose of them properly.

(MFC only)

To reduce the risk of shock or fire, use only a No. 26 AWG or larger telecommunication line cord.

(MFC only)

Use caution when installing or modifying telephone lines. Never touch telephone wires or terminals that are not insulated unless the telephone line has been unplugged at the wall jack. Never install telephone wiring during a lightning storm. Never install a telephone wall jack in a wet location.

⚠ CAUTION

Avoid placing your product in a high-traffic area. If you must place it in a high-traffic area, ensure that the product is in a safe location where it cannot be accidentally knocked-over, which could cause injury to you and serious damage to the product. Also ensure that cords are secured so as not to pose a tripping hazard. DO NOT place this product on an unstable cart, stand, or table. The product is heavy and may fall, causing injury to you, and serious damage to the product.

DO NOT eat the Silica Pack. Please discard. If ingested seek medical attention immediately.

IMPORTANT

- DO NOT place your product next to devices that contain magnets or generate magnetic fields. Doing so may interfere with the operation of the product, causing print quality problems.
- DO NOT place your product next to sources of interference, such as speakers or the base units of non Brother cordless telephones. Doing so may interfere with the operation of the product's electronic components.
- DO NOT connect your product to an AC power outlet controlled by wall switches or automatic timers. Disruption of power can delete information from the product's memory.
- DO NOT connect your product to an AC power outlet on the same circuit as large appliances or other equipment that requires a significant amount of electricity to operate. Operating this product in conjunction with the other product(s) could create an overvoltage, tripping your circuit breaker or blowing your fuse.

To use the product safely

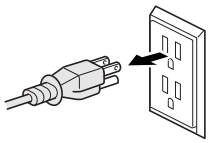
Please keep these instructions for later reference and read them before attempting any maintenance. If you do not follow these safety instructions, there is a possibility of a fire, electrical shock, burn or suffocation.

⚠ WARNING

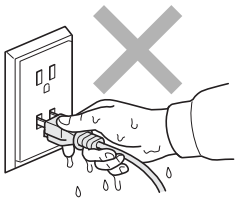
ELECTRICAL HAZARDS

Failure to follow the warnings in this section may create the risk of an electrical shock. In addition, you could create an electrical short, which may create the risk of a fire.

There are high voltage electrodes inside the product. Before you access the inside of the product, including for routine maintenance such as cleaning, make sure you have unplugged the telephone line cord first (MFC only) and then the power cord from the AC power outlet, as well as any telephone (RJ-11) or Ethernet (RJ-45) cables (network model only) from the product. Never push objects of any kind into this product through cabinet slots, since they may touch dangerous voltage points or short out parts.



DO NOT handle the plug with wet hands.



Always make sure the plug is fully inserted. DO NOT use the product or handle the cord if the cord has become worn or frayed.

DO NOT use this product during an electrical storm.

DO NOT allow this product to come into contact with water. This product should not be used around standing water including a bathtub, sink, or swimming pool, around appliances containing water including a refrigerator, or in a wet basement.

This product should be connected to an AC power source within the range indicated on the rating label. DO NOT connect it to a DC power source or inverter. If you are not sure what kind of power source you have, contact a qualified electrician.

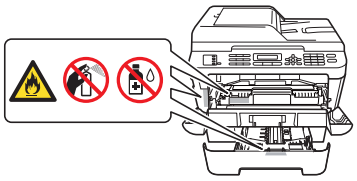
Always disconnect all cables from the wall outlet before servicing, modifying or installing the equipment.

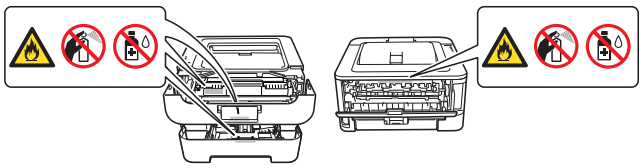
Power Cord Safety:

- This product is equipped with a 3-wire grounded plug. This plug will only fit into a grounded power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, call your electrician to replace your obsolete outlet. DO NOT defeat the purpose of the grounded plug.
- Use only the power cord supplied with this product.
- DO NOT allow anything to rest on the power cord. DO NOT place this product where people can walk on the cord. DO NOT place this product in a position where the cord is stretched or strain is otherwise put on the cord. Doing so may cause the cord to become worn or fray.
- If an extension cord is used with this product, make sure that the total ampere ratings on the products plugged into the extension cord. DO NOT exceed the extension cord ampere rating. Also, make sure that the total of all products plugged into the AC power outlet does not exceed 15 amperes.
- The power cord, including extensions, should be no longer than 16.5 feet (5 meters).

FIRE HAZARDS

DO NOT use flammable substances, any type of spray, or an organic solvent/liquid that containing alcohol or ammonia to clean the inside or outside of the product. Doing so could cause a fire. Instead, use only a dry, lint-free cloth. See *Routine Maintenance* in the *User's Guide*/*Advanced User's Guide* for more information on how to clean the product.





DO NOT attempt to operate this product with a paper jam or with stray pieces of paper inside the product. Prolonged contact of the paper with the drum unit could cause a fire.

DO NOT use a vacuum cleaner to clean up scattered toner. Doing this might cause the toner dust to ignite inside the vacuum cleaner, potentially starting a fire. Please carefully clean the toner dust with a dry, lint-free soft cloth and dispose of it according to local regulations.

DO NOT use this product in the vicinity of a gas leak or combustible dust.

(MFC only)

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electrical shock and injury to people, including the following:

1 DO NOT use this product near water, for example, near a bath tub, wash bowl, kitchen sink or washing product, in a wet basement or near a swimming pool.

2 Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

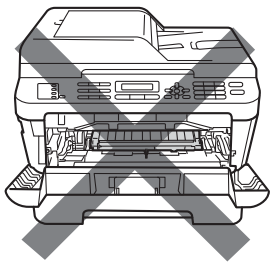
3 DO NOT use this product to report a gas leak in the vicinity of the leak.

4 Use only the power cord provided with the product.

SAVE THESE INSTRUCTIONS

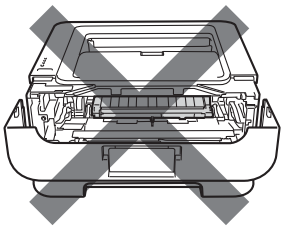
HOT SURFACE

After you have just used the product, some internal parts will be extremely hot. To prevent injury, DO NOT touch the shaded parts shown in the illustration, when you open the front or back cover (back output tray).



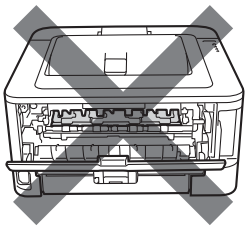
Inside the product

(Front View)



Inside the product

(Front View)



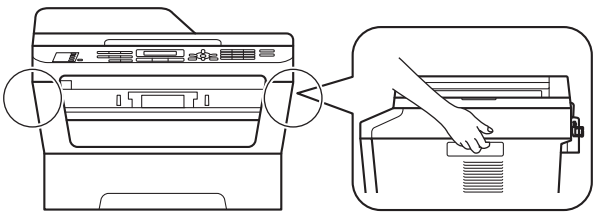
Inside the product

(Back View)

⚠ CAUTION

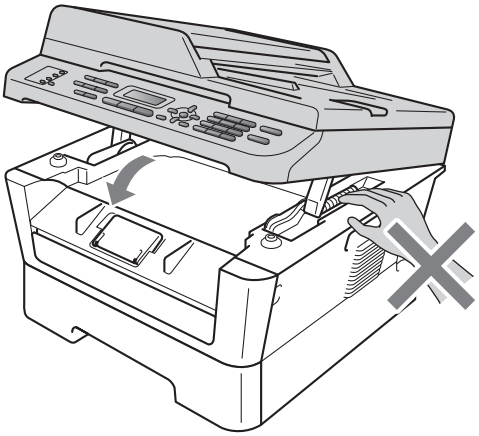
(MFC and DCP only)

When you move the machine, grasp the side handholds that are under the scanner. DO NOT carry the machine by holding it at the bottom.



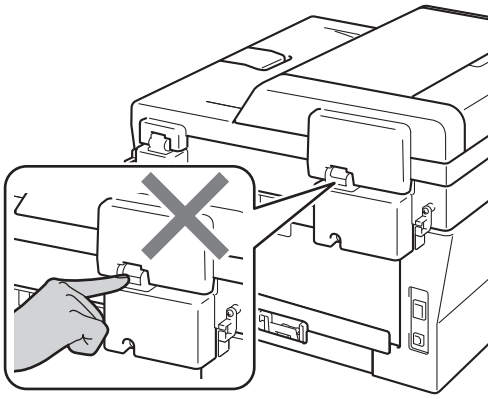
(MFC and DCP only)

DO NOT put your hands on the edge of the product under the scanner as shown in the illustrations. Doing this may cause injury to your fingers by pinching them.



(MFC and DCP only)

DO NOT put your fingers in the areas shown in the illustrations. Doing this may cause injury to your fingers by pinching them.



IMPORTANT

DO NOT remove or damage the caution labels located on or in the product.

Lightning and power surges can damage this product! We recommend that you use a quality surge protection device on the AC power line and any telephone (RJ-11) or Ethernet (RJ-45) cable (network model only) plugged into the product, or that you unplug the cords during a lightning storm.

Important safety instructions

1 Read all of these instructions.

2 Save these instructions for later reference.

3 Follow all warnings and instructions marked on the product.

4 Be careful not to inhale toner.

5 DO NOT place anything in front of the product that will block printed pages or received faxes. DO NOT place anything in the path of printed pages or received faxes.

6 Wait until pages have exited the product before picking them up.

7 DO NOT attempt to service this product yourself because opening or removing covers may expose you to dangerous voltage points and other risks and may void your warranty. Refer all servicing to a Brother Authorized Service Center. For the location of your nearest Brother Authorized Service Center, please call:

In USA: 1-877-BROTHER (1-877-276-8437)

In Canada: 1-877-BROTHER

8 Unplug this product from the AC power outlet and refer all servicing to Brother Authorized Service Personnel under the following conditions:

- When the power cord is damaged or frayed. (DO NOT touch the damaged/frayed part while unplugging your product.)
- If liquid has been spilled into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
- If the product has been dropped or the cabinet has been damaged.
- If the product exhibits a distinct change in performance, indicating a need for service.

9 For Material Safety Data Sheet for applicable accessories,visit http://www.brother.com/. (USA only)

Regulation

Standard telephone and FCC notices (MFC only)

These notices are in effect on models sold and used in the United States only.

When programming emergency numbers or making test calls to emergency numbers:

- Remain on the line and briefly explain to the dispatcher the reason for the call before hanging up.
- Perform these activities in the off-peak hours, such as early morning or late evening.

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the backside of this equipment is a label that contains, among other information, a product identifier in the format US: AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.

You may safely connect this equipment to the telephone line by means of a standard modular jack, USOC RJ11C.

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. (See installation instructions for details.)

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX.The digits represented by ## are the REN without a decimal point (e.g., 06 is a REN of 0.6). For earlier products, the REN is separately shown on the label.

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice is not practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this equipment, for repair or warranty information, please contact Brother Customer Service. (See *Brother numbers* in the *Basic User's Guide*.) If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, call your telephone company or a qualified installer.

If you are not able to solve a problem with your product, call Brother Customer Service. (See *Brother numbers* in the *Basic User's Guide*.)

⚠ WARNING

For protection against the risk of electrical shock, always disconnect all cables from the wall outlet before servicing, modifying or installing the equipment.

IMPORTANT

- (MFC only) This equipment may not be used on coin service lines provided by the telephone company or connected to party lines.
- (MFC only) Brother cannot accept any financial or other responsibilities that may be the result of your use of this information, including direct, special or consequential damages. There are no warranties extended or granted by this document.
- (MFC only) This product has been certified to comply with FCC standards, which are applied to the USA only. A grounded plug should be plugged into a grounded AC power outlet after checking the rating of the local power supply for the product to operate properly and safely.

Federal Communications Commission (FCC) Declaration of Conformity (USA only)

Responsible Party:	Brother International Corporation 100 Somerset Corporate Boulevard Bridgewater, NJ 08807-0911 USA TEL: (908) 704-1700

declares, that the products

Product Name:HL-2220 / HL-2230 / HL-2240 / HL-2240D / HL-2270DW

Model Number:HL-22

Product Name:DCP-7060D / DCP-7065DN / HL-2280DW / MFC-7360N / MFC-7460DN / MFC-7860DW

comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Call the dealer or an experienced radio/TV technician for help.
- (Wireless network models only)

  This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

IMPORTANT

- Changes or modifications not expressly approved by Brother Industries, Ltd. could void the user's authority to operate the equipment.
- A shielded interface cable should be used to ensure compliance with the limits for a Class B digital device.

Industry Canada Compliance Statement (Canada only)

This Class B digital apparatus complies with Canadian ICES–003.

Cet appareil numérique de la classe B est conforme à la norme NMB–003 du Canada.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes:
(1) il ne doit pas produire de brouillage et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

EQUIPMENT ATTACHMENT LIMITATIONS (Canada only) (MFC only)

NOTICE

This product meets the applicable Industry Canada technical specifications.

Le présent materiel est conforme aux specifications techniques applicables d'Industrie Canada.

NOTICE

The Ringer Equivalence Number is an indication of the maximum number of devices allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices does not exceed five.

L'indice d'équivalence de la sonnerie (IES) sert à indiquer le nombre maximal de terminaux qui peuvent être raccordés à une interface téléphonique. La terminaison d'une interface peut consister en une combinaison quelconque de dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas 5.

Laser safety (For 110-120V Models Only)

This equipment is certified as a Class 1 laser product as defined in IEC 60825-1:2007 specifications under the U.S. Department of Health and Human Services (DHHS) Radiation Performance Standard according to the Radiation Control for Health and Safety Act of 1968. This means that the equipment does not produce hazardous laser radiation.

Since radiation emitted inside the equipment is completely confined within protective housings and external covers, the laser beam cannot escape from the product during any phase of user operation.

FDA regulations (For 110-120V Models Only)

U.S. Food and Drug Administration (FDA) has implemented regulations for laser products manufactured on and after August 2, 1976. Compliance is mandatory for products marketed in the United States. One of the following labels on the back of the product indicates compliance with the FDA regulations and must be attached to laser products marketed in the United States.

Manufactured:

BROTHER INDUSTRIES (VIETNAM) LTD.

Phuc Dien Industrial Zone Cam Phuc Commune, Cam giang Dist Hai Duong Province, Vietnam.

This product complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.

Manufactured:

BROTHER TECHNOLOGY (SHENZHEN) LTD.

NO6 Gold Garden Ind., Nanling Buji, Longgang, Shenzhen, China

This product complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.

⚠ WARNING

Use of controls, adjustments or performance of procedures other than those specified in this manual may result in hazardous invisible radiation exposure.

Internal laser radiation

Max. Radiation Power: 25 mW

Wave Length: 770 - 800 nm

Laser Class: Class 3B

For use in the USA or Canada only

These machines are made for use in the USA and Canada only. We cannot recommend using them overseas because it may violate the Telecommunications Regulations (for MFC models only) of that country and the power requirements of your machine may not be compatible with the power available in foreign countries. Using USA or Canada models overseas is at your own risk and may void your warranty.

Disconnect device

This product must be installed near an AC power outlet that is easily accessible. In case of emergencies, you must disconnect the power cord from the AC power outlet to shut off power completely.

LAN connection (Network models only)

⚠ CAUTION

DO NOT connect this product to a LAN connection that is subject to over-voltages.

International ENERGY STAR® Qualification Statement

The purpose of the International ENERGY STAR® Program is to promote the development and popularization of energy-efficient office equipment.

As an ENERGY STAR® Partner, Brother Industries, Ltd. has determined that this product meets the ENERGY STAR® specifications for energy efficiency.

Trademarks

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Open Source Licensing Remarks

This product includes open-source software.

Please see Open Source Licensing Remarks and Copyright information on the supplied CD-ROM.

(For Windows®) “X:\License.txt” (where X is your drive letter).

(For Macintosh) Double-click the CD-ROM icon on your desktop. Then double-click the **Utilities** icon. License.rtf will appear.

Copyright and License

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This product includes software developed by the following vendors:

©1983-1998 PACIFIC SOFTWORKS, INC.

©2010 Devicescape Software, Inc.

This product includes the “KASAGO TCP/IP” software developed by ZUKEN ELMIC, Inc.

Other Information (MFC-7860DW)

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FlashFX® Copyright 1998-2010 Datalight, Inc.

U.S.Patent Office 5,860,082/6,260,156

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Reliance™ is a trademark of Datalight, Inc.

Datalight® is a registered trademark of Datalight, Inc.

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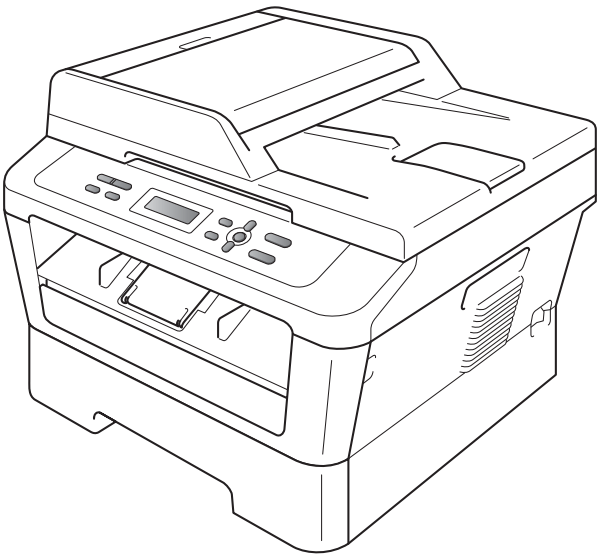
Color reproductions of certain documents are illegal and may result in either criminal or civil liability. The listing below is intended to be a guide rather than a complete listing of every possible prohibition. In case of doubt, we suggest that you consult with the appropriate authority or advisor with regard to the specific document. The following documents issued by the United States/ Canadian Government or any of its Agencies, States, Territories or Provineces may not be copied:

- Money
- Bonds or other certificates of indebtedness
- Certificates of Deposit
- Internal Revenue Stamps (canceled or uncanceled)
- Selective Service or draft papers
- Passports
- United States/Canadian Postage Stamps (canceled or uncanceled)
- Food Stamps
- Immigration Papers
- Checks or drafts drawn by Governmental agencies
- Identifying badges or insignias
- Licenses and Certificates of Title to motor vehicles, under certain State/Provincial law Coping copyrighted works may be regulated by Federal, State of local laws. For more information,consult an appropriate authority or advisor.

BASIC USER'S GUIDE

DCP-7060D
DCP-7065DN
HL-2280DW



Not all models are available in all countries.

Version B

USA/CAN

If you need to call Customer Service

Please complete the following information for future reference:

Model Number: DCP-7060D, DCP-7065DN and HL-2280DW
(Circle your model number)

Serial Number: [1] _____

Date of Purchase: _____

Place of Purchase: _____

[1] The serial number is on the back of the unit. Retain this User's Guide with your sales receipt as a permanent record of your purchase, in the event of theft, fire or warranty service.

Register your product on-line at

http://www.brother.com/registration/

By registering your product with Brother, you will be recorded as the original owner of the product. Your registration with Brother:

- may serve as confirmation of the purchase date of your product should you lose your receipt;
- may support an insurance claim by you in the event of product loss covered by insurance; and,
- will help us notify you of enhancements to your product and special offers.

The most convenient and efficient way to register your new product is online at http://www.brother.com/registration/.

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Brother numbers

IMPORTANT

For technical help, you must call the country where you bought the machine. Calls must be made ***from within*** that country.

Register your product

By registering your product with Brother International Corporation, you will be recorded as the original owner of the product. Your registration with Brother:

- may serve as confirmation of the purchase date of your product should you lose your receipt;
- may support an insurance claim by you in the event of product loss covered by insurance; and,
- will help us notify you of enhancements to your product and special offers.

Please complete and fax the Brother Warranty Registration and Test Sheet or, for your convenience and most efficient way to register your new product, register on-line at

http://www.brother.com/registration/

FAQs (frequently asked questions)

The Brother Solutions Center is our one-stop resource for all your Digital copier Center needs. You can download the latest software and utilities and read FAQs and troubleshooting tips to learn how to get the most from your Brother product.

http://solutions.brother.com/

Note

You can check here for Brother driver updates.

To keep your machine's performance up to date, check here for the latest firmware upgrade.

For Customer Service

In USA:	1-877-BROTHER (1-877-276-8437)
	1-901-379-1215 (fax)
In Canada:	1-877-BROTHER
	(514) 685-4898 (fax)

Service Center Locator (USA only)

For the location of a Brother authorized service center, call 1-877-BROTHER (1-877-276-8437) or visit us on-line at http://www.brother-usa.com/service/.

Service Center Locations (Canada only)

For the location of a Brother authorized service center, call 1-877-BROTHER.

Ordering accessories and supplies

For best quality results use only genuine Brother accessories, which are available at most Brother retailers. If you cannot find the accessory you need and you have a Visa, MasterCard, Discover, or American Express credit card, you can order accessories directly from Brother. (You can visit us online for a complete selection of the Brother accessories and supplies that are available for purchase.)

Note

In Canada, only Visa and MasterCard are accepted.

In USA: 1-877-552-MALL (1-877-552-6255)

1-800-947-1445 (fax)

http://www.brothermall.com/

In Canada: 1-877-BROTHER

http://www.brother.ca/

Description	Item
Toner Cartridge	TN-420 (Approx. 1,200 pages) [1] [2] [3]
	TN-450 (Approx. 2,600 pages) [1] [2] [4]
Drum Unit	DR-420 (Approx. 12,000 pages) [5] [6]
Basic User's Guide	LX5406001 (English for USA and Canada)
	LX5406002 (French for Canada)
Quick Setup Guide	(DCP-7060D/DCP-7065DN) LX5120001 (English for USA and Canada)
	(HL-2280DW) LX5805001 (English for USA and Canada)
	(DCP-7060D/DCP-7065DN) LX5120002 (French for Canada)
	(HL-2280DW) LX5805002 (French for Canada)

1 Letter or A4 size single-sided pages.

2 Approx. cartridge yield is declared in accordance with ISO/IEC 19752.

3 Standard toner cartridge

4 High capacity toner cartridge

5 1 page per job.

6 Drum life is approximate and may vary by type of use.

Notice - Disclaimer of Warranties (USA and Canada)

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Compilation and Publication Notice

Under the supervision of Brother Industries Ltd., this manual has been compiled and published, covering the latest product descriptions and specifications.

The contents of this manual and the specifications of this product are subject to change without notice.

Brother reserves the right to make changes without notice in the specifications and materials contained herein and shall not be responsible for any damages (including consequential) caused by reliance on the materials presented, including but not limited to typographical and other errors relating to the publication.

Brother® One-Year Limited Warranty and Replacement Service (USA Only)

Who is covered:

- This limited warranty ("warranty") is given only to the original end-user/retail purchaser (referred to in this warranty as "Original Purchaser") of the accompanying product, consumables and accessories (collectively referred to in this warranty as "this Product").
- If you purchased a product from someone other than an authorized Brother reseller in the United States or if the product was used (including but not limited to floor models or refurbished product by someone other than Brother), prior to your purchase you are not the Original Purchaser and the product that you purchased is not covered by this warranty.

What is covered:

- This Product includes a Machine and Consumable and Accessory Items. Consumable and Accessory Items include but are not limited to print heads, toner, drums, ink cartridges, print cartridges, cordless handset battery, refill ribbons, therma PLUS paper and thermal paper.
- Except as otherwise provided herein, Brother warrants that the Machine and the accompanying Consumable and Accessory Items will be free from defects in materials and workmanship, when used under normal conditions.
- This warranty applies only to products purchased and used in the United States. For products purchased in, but used outside, the United States, this warranty covers only warranty service within the United States (and does not include shipping outside the United States).

What is the length of the Warranty Periods:

- Machines: one year from the original purchase date.
- Accompanying Consumable and Accessory Items: 90 days from the original purchase date or the rated life of consumable, whichever comes first.

What is NOT covered:

This warranty does not cover:

1 Physical damage to this Product;
2 Damage caused by improper installation, improper or abnormal use, misuse, neglect or accident (including but not limited to transporting this Product without the proper preparation and/or packaging);
3 Damage caused by another device or software used with this Product (including but not limited to damage resulting from use of non Brother®-brand parts and Consumable and Accessory Items);
4 Consumable and Accessory Items that expired in accordance with a rated life;
5 Problems arising from other than defects in materials or workmanship; and,
6 Normal Periodic Maintenance Items, such as Waste Ink Absorber, Paper Feeding Kit, Fuser and Laser Units.

This limited warranty is VOID if this Product has been altered or modified in any way (including but not limited to attempted warranty repair without authorization from Brother and/or alteration/removal of the serial number).

What to do if you think your Product is eligible for warranty service:

Report your issue to either our Customer Service Hotline at 1-877-BROTHER (1-877-276-8437) or to a Brother Authorized Service Center **within the applicable warranty period.** Supply Brother or the Brother Authorized Service Center with a copy of your dated bill of sale showing that this Product was purchased within the U.S. For the name of local Brother Authorized Service Center(s), call 1-877-BROTHER (1-877-276-8437) or visit www.brother-usa.com.

What Brother will ask you to do:

After contacting Brother or a Brother Authorized Service Center, you may be required to deliver (by hand if you prefer) or send the Product properly packaged, freight prepaid, to the Authorized Service Center together with a photocopy of your bill of sale. **You are responsible for the cost of shipping, packing product, and insurance (if you desire). You are also responsible for loss or damage to this Product in shipping.**

What Brother will do:

If the problem reported concerning your Machine and/or accompanying Consumable and Accessory Items is covered by this warranty and if you first reported the problem to Brother or an Authorized Service Center within the applicable warranty period, Brother or its Authorized Service Center will repair or replace the Machine and/or accompanying Consumable and Accessory Items at no charge to you for parts or labor. The decision as to whether to repair or replace the Machine and/or accompanying Consumable and Accessory Items is made by Brother in its sole discretion. Brother reserves the right to supply a refurbished or remanufactured replacement Machine and/or accompanying Consumable and Accessory Items and use refurbished parts provided such replacement products conform to the manufacturer's specifications for new product/parts.

Brother® One-Year Limited Warranty and Replacement Service (USA Only)

The repaired or replacement Machine and/or accompanying Consumable and Accessory Items will be returned to you freight prepaid or made available for you to pick up at a conveniently located Authorized Service Center.

If the Machine and/or accompanying Consumable and Accessory Items are not covered by this warranty (either stage), you will be charged for shipping the Machine and/or accompanying Consumable and Accessory Items back to you and charged for any service and/or replacement parts/products at Brother's then current published rates.

The foregoing are your sole (i.e., only) and exclusive remedies under this warranty.

What happens when Brother elects to replace your Machine:

When a replacement Machine is authorized by Brother, and you have delivered the Machine to an Authorized Service Center, the Authorized Service Center will provide you with a replacement Machine after receiving one from Brother. If you are dealing directly with Brother's Express Exchange Service Brother will send to you a replacement Machine shipped for receipt within two business days, with the understanding that you will, after receipt of the replacement Machine, supply the required proof of purchase information, together with the Machine that Brother agreed to replace. You are then expected to pack the Machine that Brother agreed to replace in the package from the replacement Machine and return it to Brother using the pre-paid freight bill supplied by Brother in accordance with the instructions provided by Brother. Since you will be in possession of two machines, Brother will require that you provide a valid major credit card number. Brother will issue a hold against the credit card account number that you provide until Brother receives your original Product and determines that your original Product is entitled to warranty coverage. Your credit card will be charged up to the cost of a new Product only if: (i) you do not return your original Product to Brother within five (5) business days; (ii) the problems with your original Product are not covered by the limited warranty; (iii) the proper packaging instructions are not followed and has caused damage to the product; or (iv) the warranty period on your original Product has expired or has not been sufficiently validated with a copy of the proof of purchase (bill of sale).

The replacement Machine you receive (even if refurbished or remanufactured) will be covered by the balance of the limited warranty period remaining on the original Product, plus an additional thirty (30) days. You will keep the replacement Machine that is sent to you and your original Machine shall become the property of Brother. **Retain your original Accessory Items and a copy of the return freight bill, signed by the courier.**

Limitations:

Brother is not responsible for damage to or loss of any equipment, media, programs or data related to the use of this Product. Except for the repair or replacement as described above, Brother shall not be liable for any direct, indirect, incidental or consequential damages or specific relief. Because some states do not allow the exclusion or limitation of consequential or incidental damages, the above limitation may not apply to you.

THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, WHETHER EXPRESSED BY AFFIRMATION, PROMISE, DESCRIPTION, DRAWING, MODEL OR SAMPLE. ANY AND ALL WARRANTIES OTHER THAN THIS ONE, WHETHER EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED.

- This Limited Warranty is the only warranty that Brother is giving for this Product. It is *the final expression and the exclusive and only statement* of Brother's obligations to you. It replaces all other agreements and understandings that you may have with Brother or its representatives.
- This warranty gives you certain rights and you may also have other rights that may vary from state to state.
- This Limited Warranty (and Brother's obligation to you) may not be changed in any way unless you and Brother sign the same piece of paper in which we (1) refer to this Product and your bill of sale date, (2) describe the change to this warranty and (3) agree to make that change.

Important: *We recommend that you keep all original packing materials, in the event that you ship this Product.*

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BROTHER MULTIFUNCTION CENTER® / FAX MACHINE LIMITED WARRANTY (Canada only)

Pursuant to the limited warranty of 1 year from the date of purchase for labour and parts, Brother International Corporation (Canada) Ltd. ("Brother"), or its Authorized Service Centres, will repair or replace (at Brother's sole discretion) this MFC/Fax machine free of charge if defective in material or workmanship. This warranty applies only to products purchased and used in Canada.

This limited Warranty does not include cleaning, consumables (including, without limitation, ink cartridges, print cartridges, print rolls, thermal paper rolls, toner cartridges, drum units, OPC belts, fixing units, print heads, paper feed rollers, transfer rolls, cleaning rollers, waste toner packs, oil bottles) or damage caused by accident, neglect, misuse or improper installation or operation, any damage caused from service, maintenance, modifications, or tampering by anyone other than a Brother Authorized Service Representative, or if shipped out of the country.

The use of supplies or consumable items that are non-Brother products may void your warranty. This limited warranty ceases when this machine is rented, sold, or otherwise disposed of. Operation of the MFC/Fax machine in excess of the specifications or with the Serial Number or Rating Label removed shall be deemed abuse and all repairs thereafter shall be the sole liability of the end-user/purchaser.
In order to obtain warranty service, the MFC/Fax machine must be delivered or shipped freight prepaid by the end-user/purchaser to a "Brother" Authorized Service Centre, together with your Canadian Proof of Purchase in the form of a Sales Receipt.

When shipping or transporting your MFC/Fax machine, please refer to your Operation Manual for the proper packaging procedures.

For Laser units: Failure to remove the Toner Cartridge (and Toner Drum Unit, waste toner packs or oil bottles on applicable models) during shipping or transport will cause severe damage to the Laser MFC/Fax machine and will void the Warranty.

For inkjet units: (When shipping your Inkjet MFC/Fax machine remove the ink cartridges and replace them with the original protective parts. If original protective parts are not available, leave ink cartridges installed. Please avoid shipping the unit without original protective parts or ink cartridges.) Damage to your print head resulting from packing the Inkjet MFC/Fax machine without the ink cartridges or the protective parts will void your warranty.

Improper packaging may cause severe damage to the machine during shipping and will void the warranty.

BROTHER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING, WITHOUT LIMITATIONS, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT TO THE EXTENT THAT ANY WARRANTIES IMPLIED BY LAW CANNOT BE VALIDLY WAIVED.

No oral or written information, advice or representation provided by Brother, its Authorized Service Centres, Distributors, Dealers, Agents or employees, shall create another warranty or modify this warranty. The warranty states Brother's entire liability and your exclusive remedy against Brother for any failure of the MFC/Fax machine to operate properly.

Neither Brother nor anyone else involved in the development, production, or delivery of this MFC/Fax machine shall be liable for any indirect, incidental, special, consequential, exemplary, or punitive damages, including lost profits, arising from the use of or inability to use the product, even if advised by the end user/purchaser of the possibility of such damages. Since some Provinces do not allow the above limitation of liability, such limitation, may not apply to you.

This Limited Warranty gives you specific legal rights and you may also have other rights which vary from Province to Province.

Warranty Service is available at Brother Authorized Service Centres throughout Canada. For Technical Assistance or for the name and location of your nearest Authorized Service Centre call 1-877-BROTHER.

Internet support: support@brother.ca or browse Brother's Web Site www.brother.ca.

User’s Guides and where do I find it?

Which manual?	What’s in it?	Where is it?
Safety and Legal	Read this Guide first. Please read the Safety Instructions before you set up your machine. See this Guide for trademarks and legal limitations.	Printed / In the Box
Quick Setup Guide	Follow the instructions for setting up your machine and installing the drivers and software for the operating system and connection type you are using.	
Basic User's Guide	Learn the basic Copy and Scan operations and how to replace consumables. See troubleshooting tips.	
Advanced User's Guide	Learn more advanced operations: Copy, printing reports, and performing routine maintenance.	PDF file / Documentation CD-ROM / In the Box
Software User's Guide	Follow these instructions for Printing and Scanning (for DCP-7065DN and HL-2280DW). Instructions are included for Network Scanning and using the Brother ControlCenter utility.	
Network Glossary (For DCP-7065DN and HL-2280DW)	This Guide provides basic information about advanced network features of Brother machines along with explanations about general networking and common terms.	
Network User's Guide (For DCP-7065DN and HL-2280DW)	This Guide provides useful information about wired and wireless network settings and security settings using the Brother machine. You can also find supported protocol information for your machine and detailed troubleshooting tips.	

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(BASIC USER'S GUIDE)

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(ADVANCED USER'S GUIDE)

The Advanced User's Guide explains the following features and operations. You can view the Advanced User's Guide on the Documentation CD-ROM.

1 General Setup

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Network Configuration List (DCP-7065DN / HL-2280DW)

WLAN Report (HL-2280DW only)

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2 Making copies

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C Index

1 General information

Using the documentation

Thank you for buying a Brother machine! Reading the documentation will help you make the most of your machine.

Symbols and conventions used in the documentation

The following symbols and conventions are used throughout the documentation.

Bold	Bold style identifies keys on the machine control panel or computer screen.
Italics	Italicized style emphasizes an important point or refers you to a related topic.
`Courier New`	Courier New font identifies the messages shown on the LCD of the machine.

⚠ WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injuries.

⚠ CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injuries.

IMPORTANT

IMPORTANT indicates a potentially hazardous situation which, if not avoided, may result in damage to property or loss of product function.

Electrical Hazard icons alert you to a possible electrical shock.

Hot Surface icons warn you not to touch machine parts that are hot.

Notes tell you how you should respond to a situation that may arise or give tips about how the current operation works with other features.

Accessing the Advanced User's Guide, Software User's Guide and Network User's Guide

This Basic User's Guide does not contain all the information about the machine such as how to use the advanced features for Copy, Printer, Scanner and Network (for DCP-7065DN and HL-2280DW). When you are ready to learn detailed information about these operations, read the **Advanced User's Guide**, **Software User's Guide**, **Network Glossary**, and **Network User's Guide** (for DCP-7065DN and HL-2280DW) that are on the Documentation CD-ROM.

Viewing Documentation

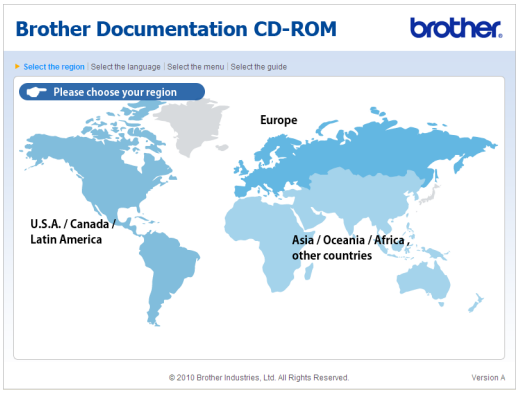
1. Turn on your computer. Insert the Documentation CD-ROM into your CD-ROM drive. For Windows® users, go to step ❸.

Note

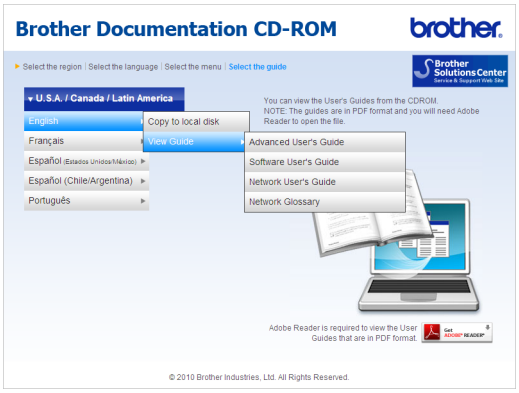
(Windows® users) If the screen does not appear automatically, go to **My Computer** (**Computer**), double-click the CD-ROM icon, and then double-click **index.html**.

2. (Macintosh users) Double-click the Documentation CD-ROM icon, and then double-click **index.html**.

3. Click your country.



4. Point to your language, point to **View Guide**, and then click the guide you want to read.



Note

- (Windows® users only) Your Web browser may display a yellow bar at the top of the page that contains a security warning about Active X controls. For the page to display correctly you must click on the bar, click **Allow Blocked Content**, then click **Yes** in the Security Warning dialog box.
- (Windows® users only) [1] For faster access, you can copy all user documentation in PDF format to a local folder on your computer. Point to your language, then click **Copy to local disk**.

[1] Microsoft® Internet Explorer® 6.0 or greater.

How to find Scanning instructions

There are several ways you can scan documents. You can find the instructions as follows:

Software User's Guide

- *Scanning*
- *ControlCenter*
- *Network Scanning*
  (For DCP-7065DN and HL-2280DW)

ScanSoft™ PaperPort™12SE with OCR How-to-Guides

(Windows®)

- The complete ScanSoft™ PaperPort™12SE with OCR How-to-Guides can be viewed from the Help section in the ScanSoft™ PaperPort™12SE application.

Presto! PageManager User's Guide

(Macintosh)

Note

Presto! PageManager is available as a download from http://nj.newsoft.com.tw/download/brother/PM9SEInstaller_BR_multilang.dmg

- The complete Presto! PageManager User's Guide can be viewed from the Help section in the Presto! PageManager application.

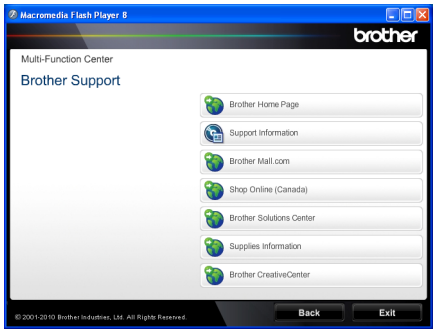
How to find Network setup instructions
(For DCP-7065DN and HL-2280DW)

Your machine can be connected to a wireless or wired network. You can find basic setup instructions in the *Quick Setup Guide*. If your wireless access point or router supports Wi-Fi Protected Setup or AOSS™, you can also follow the steps in the *Quick Setup Guide*. For more information about network setup please see the *Network User's Guide*.

Accessing Brother Support (Windows®)

You can find all the contacts you will need, such as Web support (Brother Solutions Center), Customer Service and Brother Authorized Service Centers on page i and on the Installation CD-ROM.

- Click **Brother Support** on the main menu. The following screen will appear:



- To access our Web site (http://www.brother.com/) click **Brother Home Page**.
- To view all Brother Numbers, including Customer Service numbers for the USA and Canada, click **Support Information**.
- To access the USA Brother online shopping mall (http://www.brothermall.com/) for additional product and service information, click **Brother Mall.com**.
- To access Canada's Brother online shopping mall (http://www.brother.ca/) for additional product and services information, click **Shop Online (Canada)**.
- For the latest news and product support information (http://solutions.brother.com/), click **Brother Solutions Center**.
- To visit our web site for genuine Brother supplies (http://www.brother.com/original/), click **Supplies Information**.
- To access the Brother CreativeCenter (http://www.brother.com/creativecenter/) for FREE photo projects and printable downloads, click **Brother CreativeCenter**.

To return to the main page, click **Back**.

Or, if you have finished, click **Exit**.

Accessing Brother Support (Macintosh)

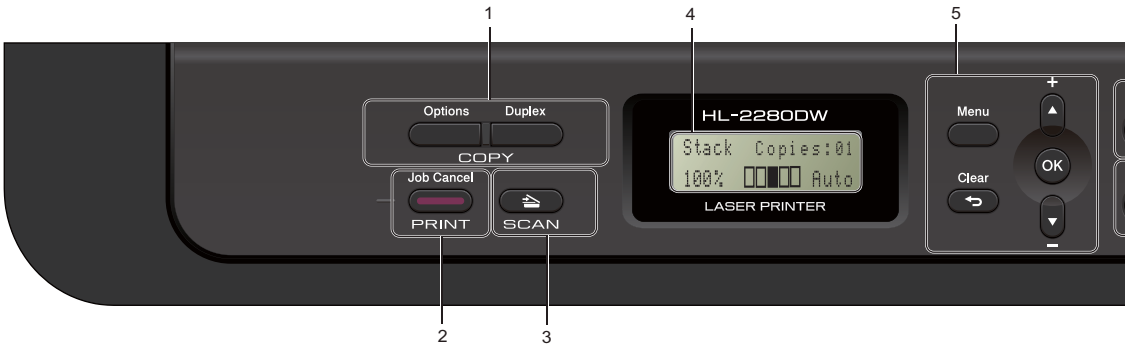
You can find all the contacts you will need, such as Web support (Brother Solutions Center), Customer Service and Brother Authorized Service Centers in *Brother numbers* on page i and on the Installation CD-ROM.

- Double-click the **Brother Support** icon. The following screen will appear:

- To download and install Presto! PageManager, click **Presto! PageManager**.
- To register your machine from the Brother Product Register Page (http://www.brother.com/registration/), click **On-Line Registration**.
- To view all Brother Numbers, including Customer Service numbers for the USA and Canada, click **Support Information**.
- For the latest news and product support information (http://solutions.brother.com/), click **Brother Solutions Center**.
- To visit our Web site for genuine Brother Supplies (http://www.brother.com/original/), click **Supplies Information**.

Control panel overview

DCP-7060D, DCP-7065DN, and HL-2280DW have the same keys.



1 COPY keys:

Options

You can quickly and easily choose temporary settings for copying. These settings include:

Quality

Stack (choose number of copies)

Sort (For DCP-7065DN when using the ADF)

Brightness

Contrast

Enlarge/Reduce

Page Layout

Duplex

You can choose Duplex to copy on both sides of the paper.

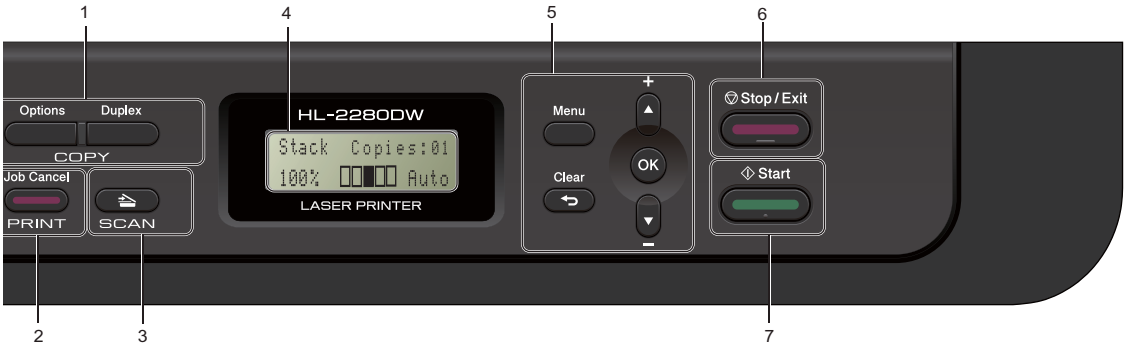
2 PRINT key:

Job Cancel

Cancels a print job and clears it from the machine's memory. To cancel multiple print jobs, hold down this key until the LCD shows `Job Cancel (All)`.

3 SCAN key

Puts the machine in Scan mode.



4 LCD

Displays messages to help you set up and use your machine.

(For HL-2280DW) A four level indicator shows the current wireless signal strength if you are using a wireless connection.

5 Menu keys:

Menu

Lets you access the Menu to program your settings in this machine.

Clear

Deletes entered data or lets you cancel the current setting.

▲ + or ▼ -

Press to scroll through the menus and options.

OK

Lets you store your settings in the machine.

6 Stop/Exit

Stops an operation or exits from a menu.

7 Start

Lets you start making copies or scanning.

2 Loading paper

Loading paper and print media

The machine can feed paper from the standard paper tray or manual feed slot.

When you put paper into the paper tray, note the following:

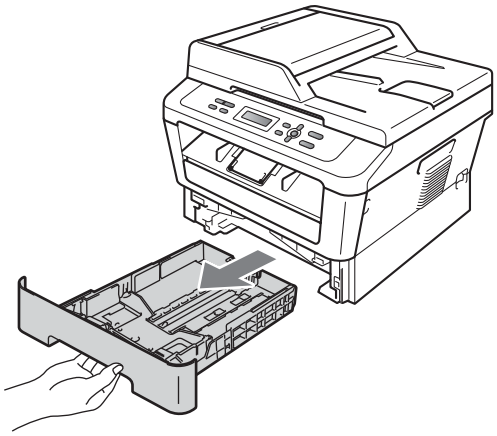
- If your application software supports paper size selection on the print menu, you can select it through the software. If your application software does not support it, you can set the paper size in the printer driver or by using the control panel buttons.

Loading paper in the standard paper tray

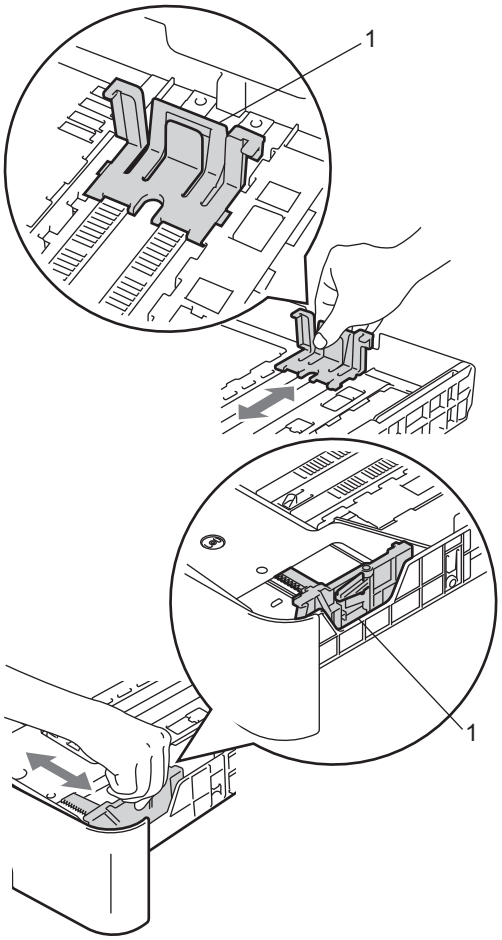
You can load up to 250 sheets. Paper can be loaded up to the maximum paper mark (▼▼▼) on the sliding paper width guide. (For recommended paper to use, see *Paper capacity of the paper trays* on page 17.)

Printing on plain paper, thin paper or recycled paper from the standard paper tray

1. Pull the paper tray completely out of the machine.

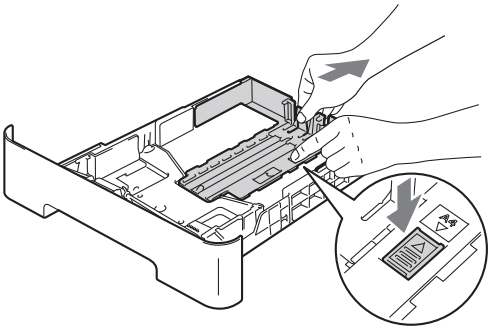


2 While pressing the green paper-guide release lever (1), slide the paper guides to fit the paper size you are loading in the tray. Make sure that the guides are firmly in the slots.

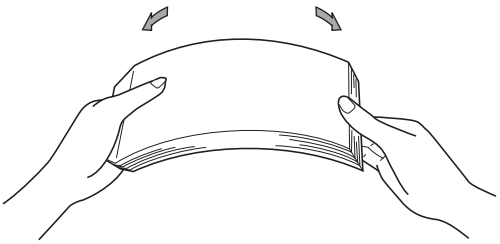


Note

For Legal or Folio size paper, press the release button in the bottom of the paper tray and then pull out the back of the paper tray. (Legal or Folio size paper is not available in some regions.)



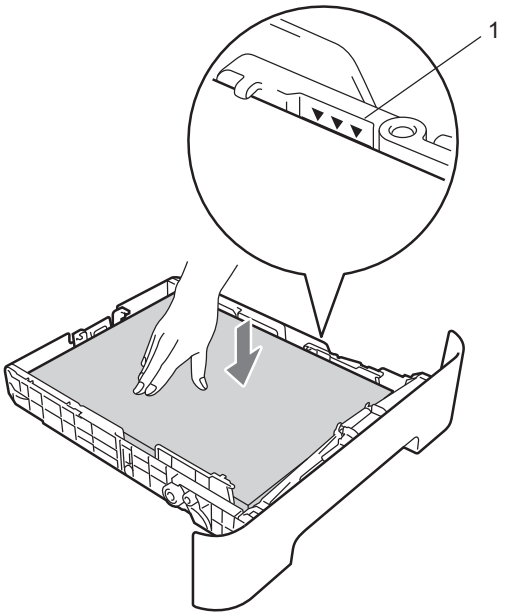
3 Fan the stack of paper well to avoid paper jams and misfeeds.



4 Put paper in the tray and make sure:

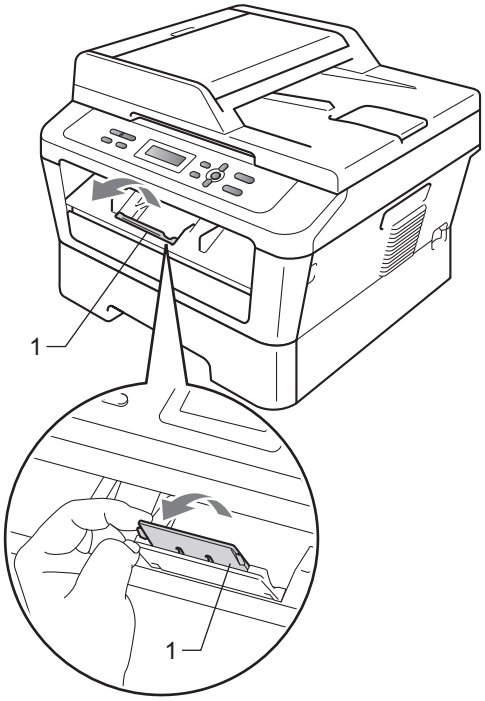
- The paper is below the maximum paper mark (▼▼▼) (1).

  Overfilling the paper tray will cause paper jams.
- The side to be printed on must be *face down*.
- The paper guides touch the sides of the paper so it will feed properly.



5 Put the paper tray firmly back in the machine. Make sure that it is completely inserted into the machine.

6 Unfold the support flap (1) to prevent paper from sliding off the face-down output tray.



Loading paper in the manual feed slot

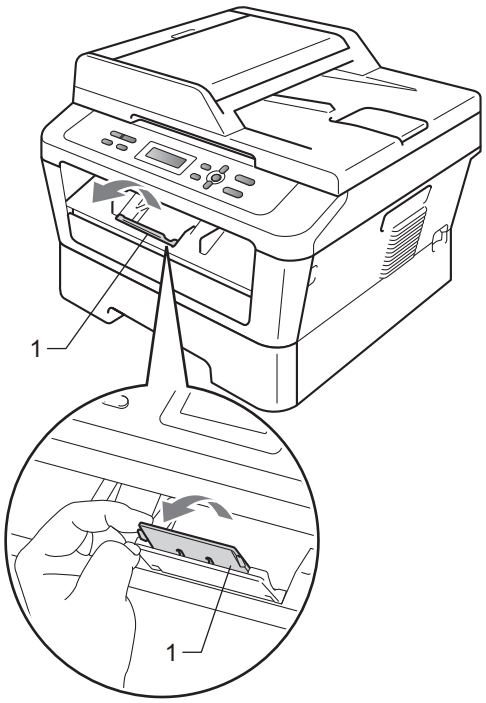
You can load envelopes and special print media one at a time into this slot. Use the manual feed slot to print or copy on labels, envelopes or thicker paper.

Note

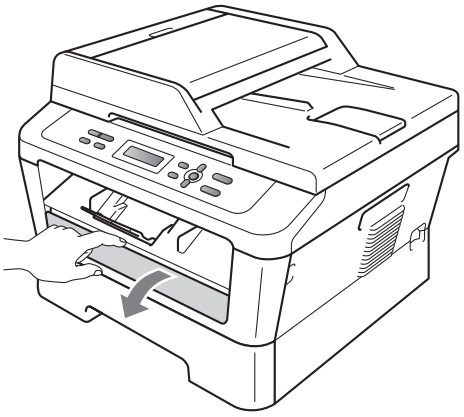
The machine automatically turns on the Manual Feed mode when you put paper in the manual feed slot.

Printing on plain paper or recycled paper from the manual feed slot

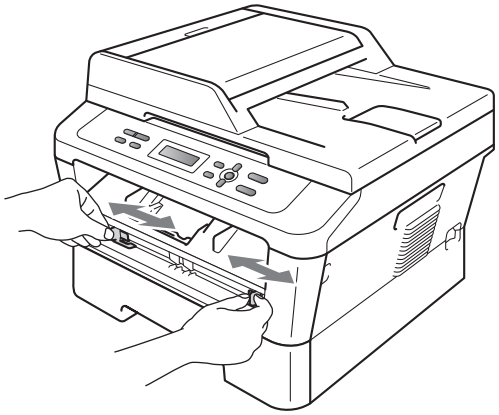
1. Unfold the support flap (1) to prevent paper from sliding off the face-down output tray, or remove each page as soon as it comes out of the machine.



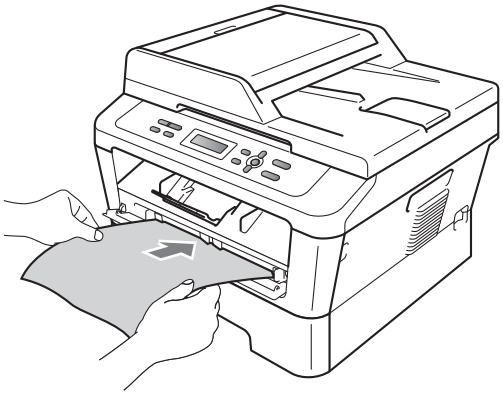
2. Open the manual feed slot cover.



3. Using both hands, slide the manual feed slot paper guides to the width of the paper that you are going to use.



4. Using both hands, put one sheet of paper in the manual feed slot until the front edge of the paper or transparency touches the paper feed roller. When you feel the machine pull in the paper, let go.



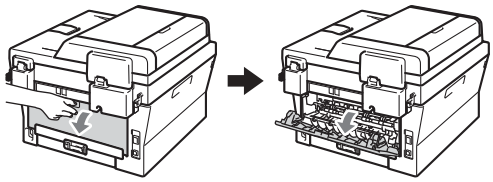
Printing on thick paper, bond paper, labels, and envelopes

When the back output tray is pulled down, the machine has a straight paper path from the manual feed slot through to the back of the machine. Use this paper feed and output method when you want to print on thick paper, labels or envelopes.

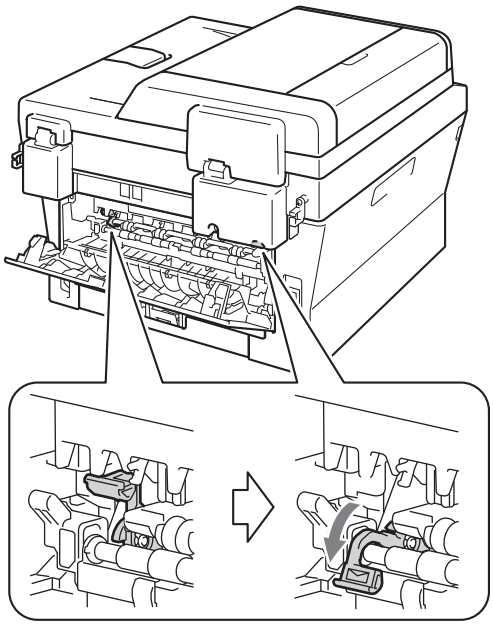
Note

Remove each printed sheet or envelope immediately to prevent a paper jam.

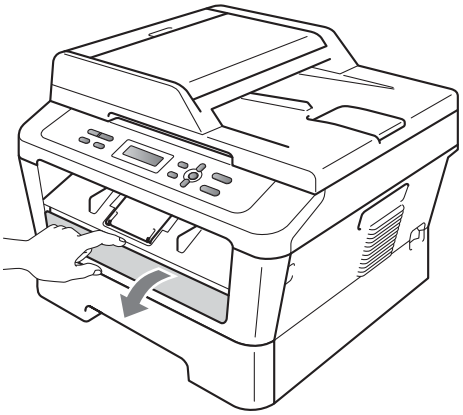
1. Open the back cover (back output tray).



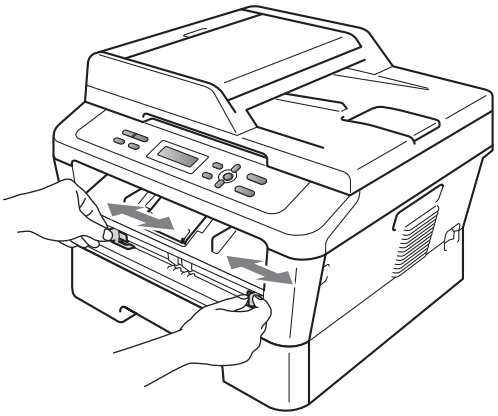
2. (For printing envelopes)
   Pull down the two green levers, one on the left-hand side and one on the right-hand side, as shown in the illustration below.



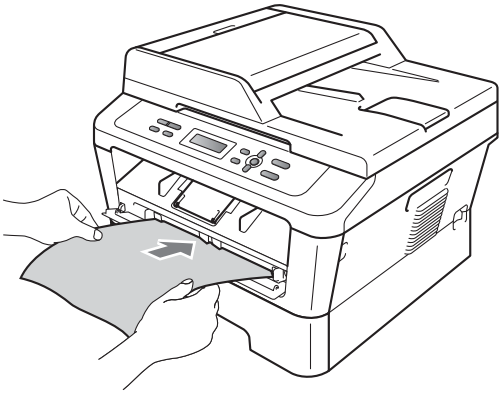
3. Open the manual feed slot cover.

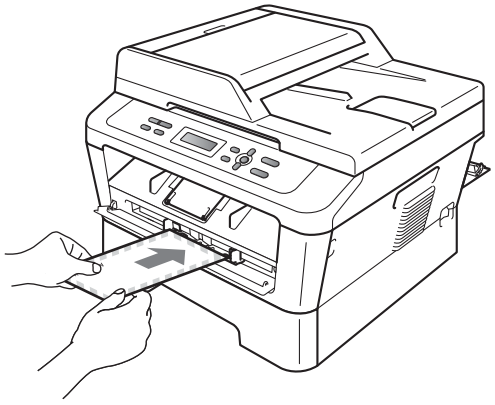


4. Using both hands, slide the manual feed slot paper guides to the width of the paper that you are going to use.



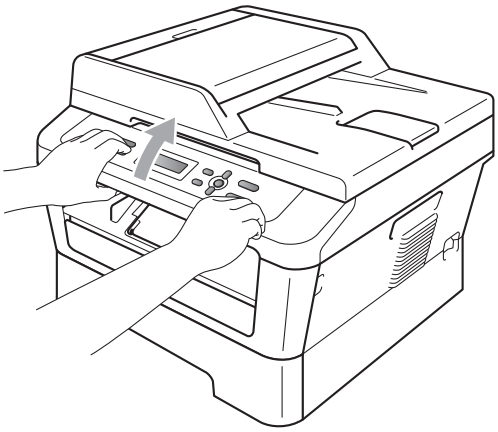
5 Using both hands, put one sheet of paper or one envelope in the manual feed slot until the front edge of the paper or envelope touches the paper feed roller. When you feel the machine pull in the paper, let go.



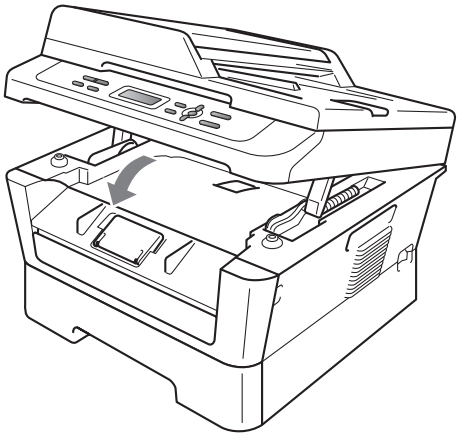


Note

- Put the paper into the manual feed slot with the side to be printed face up.
- Make sure that the print media is straight and in the proper position on the manual feed slot. If it is not, the paper may not be fed properly, resulting in a skewed printout or a paper jam.
- Do not put more than one sheet of paper in the manual feed slot at any one time, as it may cause a jam.
- If you put any print media in the manual feed slot before the machine is in Ready mode, the print media may be ejected without being printed on.
- To easily remove a small printout from the output tray, lift up the scanner cover by using both hands as shown in the illustration.

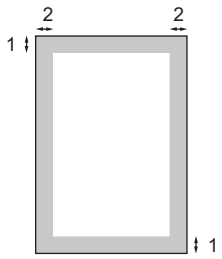


- You can still use the machine while the scanner cover is up. To close the scanner cover, push it down with both hands.



Unscannable and unprintable areas

The figures below show maximum unscannable and unprintable areas. The unscannable and unprintable areas may vary depending on the paper size or settings in the application you are using.



Usage	Document Size	Top (1) Bottom (1)	Left (2) Right (2)
Copy *a single copy or a 1 in 1 copy	Letter	0.16 in. (4 mm)	0.16 in. (4 mm)
	A4	0.16 in. (4 mm)	0.16 in. (4 mm)
Scan	Letter	0.12 in. (3 mm)	0.12 in. (3 mm)
	A4	0.12 in. (3 mm)	0.12 in. (3 mm)
Print	Letter	0.16 in. (4 mm)	0.24 in. (6 mm)
	A4	0.16 in. (4 mm)	0.24 in. (6 mm)

Paper settings

Paper Type

Set up the machine for the type of paper you are using. This will give you the best print quality.

1. Press **Menu**.
2. Press ▲ or ▼ to choose `1.General Setup`.
   Press **OK**.
3. Press ▲ or ▼ to choose `1.Paper`.
   Press **OK**.
4. Press ▲ or ▼ to choose `1.Paper Type`.
   Press **OK**.
5. Press ▲ or ▼ to choose `Thin`, `Plain`, `Thick`, `Thicker`, `Recycled Paper` or `Label`.
   Press **OK**.
6. Press **Stop/Exit**.

Paper Size

You can use several different sizes of paper for printing copies: `Letter`, `Legal`, `Executive`, `A4`, `A5`, `A5 L`, `A6`, `B5`, `B6` or `Folio`.

When you change the size of paper in the tray, you will also need to change the setting for paper size at the same time so your machine can fit the document on the page.

1. Press **Menu**.
2. Press ▲ or ▼ to choose `1.General Setup`.
   Press **OK**.
3. Press ▲ or ▼ to choose `1.Paper`.
   Press **OK**.
4. Press ▲ or ▼ to choose `2.Paper Size`.
   Press **OK**.
5. Press ▲ or ▼ to choose `Letter`, `Legal`, `Executive`, `A4`, `A5`, `A5 L`, `A6`, `B5`, `B6` or `Folio`.
   Press **OK**.
6. Press **Stop/Exit**.

Acceptable paper and other print media

Print quality may vary according to the type of paper you are using.

You can use the following types of print media: thin paper, plain paper, thick paper, bond paper, recycled paper, labels or envelopes.

For best results, follow the instructions below:

- DO NOT put different types of paper in the paper tray at the same time because it may cause paper jams or misfeeds.
- For proper printing, you must choose the same paper size from your software application as the paper in the tray.
- Avoid touching the printed surface of the paper immediately after printing.
- Before you buy a lot of paper, test a small quantity to make sure the paper is suitable.

Recommended paper and print media

Paper Type	Item
Plain Paper	Xerox 4200DP 20 lb
	Hammermill Laser Print (24 lb=90 g/m^2)
Recycled Paper	No specific brand recommended
Labels	Avery laser labels white #5160
Envelope	No specific brand recommended

Type and size of paper

The machine loads paper from the installed standard paper tray or manual feed slot.

The name for the paper trays in the printer driver and this guide are as follows:

Tray and optional unit	Name
Standard paper tray	Tray 1
Manual feed slot	Manual

Paper capacity of the paper trays

	Paper size	Paper type	No. of sheets
Paper Tray (Tray 1)	Letter, Legal [1], Executive, A4, A5, A5 (Long Edge), A6, B5, B6, Folio [1] [2]	Plain paper, Thin paper and Recycled paper	up to 250 [20 lb (80 g/m^2)]
Manual feed slot (Manual)	Width: 3.0 to 8.5 in. (76.2 to 216 mm) Length: 4.6 to 16 in. (116 to 406.4 mm)	Plain paper, Thin paper, Thick paper, Thicker paper, Bond paper, Recycled paper, Envelopes and Labels	Single sheet [20 lb (80 g/m^2)]

[1] Legal or Folio size paper is not available in some regions outside the USA and Canada.

[2] Folio size is 8.5 in. × 13 in. (215.9 mm x 330.2 mm)

Recommended paper specifications

The following paper specifications are suitable for this machine.

Basis weight	20-24 lb (75-90 g/m^2)
Thickness	80-110 μm
Roughness	Higher than 20 sec.
Stiffness	90-150 cm^3/100
Grain direction	Long grain
Volume resistivity	10e^9-10e^{11} ohm
Surface resistivity	10e^9-10e^{12} ohm-cm
Filler	$CaCO_3$ (Neutral)
Ash content	Below 23 wt%
Brightness	Higher than 80%
Opacity	Higher than 85%

- Use paper made for plain paper copying.
- Use paper that is 20 to 24 lb (75 to 90 g/m^2).
- Use long grain paper with a neutral Ph value, and a moisture content of approx. 5%.
- This machine can use recycled paper that meets DIN 19309 specifications.

Handling and using special paper

The machine is designed to work well with most types of xerographic and bond paper. However, some paper variables may have an effect on print quality or handling reliability. Always test samples of paper before purchasing to ensure desirable performance. Store paper in its original packaging and keep it sealed. Keep the paper flat and away from moisture, direct sunlight and heat.

Some important guidelines when selecting paper are:

- DO NOT use inkjet paper because it may cause a paper jam or damage your machine.
- Preprinted paper must use ink that can withstand the temperature of the machine's fusing process 392 degrees Fahrenheit (200 degrees centigrade).
- If you use bond paper, paper that has a rough surface or paper that is wrinkled or creased, the paper may exhibit degraded performance.

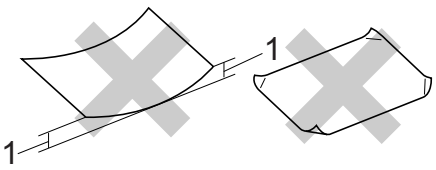
Types of paper to avoid

IMPORTANT

Some types of paper may not perform well or may cause damage to your machine.

DO NOT use paper:

- that is highly textured
- that is extremely smooth or shiny
- that is curled or warped



1 A curl of 0.08 in. (2 mm) or greater may cause jams to occur.

- that is coated or has a chemical finish
- that is damaged, creased or folded
- that exceeds the recommended weight specification in this guide
- with tabs and staples
- with letterheads using low temperature dyes or thermography
- that is multipart or carbonless
- that is designed for inkjet printing

If you use any of the types of paper listed above, they may damage your machine. This damage is not covered under any Brother warranty or service agreement.

Envelopes

Most envelopes designed for laser printers will be suitable for your machine. However, some envelopes may have feed and print-quality problems because of the way they have been made. A suitable envelope should have edges with straight, well-creased folds and the leading edge should not be thicker than two sheets of paper. The envelope should lie flat and not be of baggy or flimsy construction. You should buy quality envelopes from a supplier who understands that you will be using the envelopes in a laser machine.

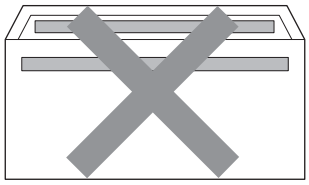
Envelopes can be fed from manual feed slot one at a time. We recommend that you print a test envelope to make sure the print results are what you want before you print or purchase a large quantity of envelopes.

Types of envelopes to avoid

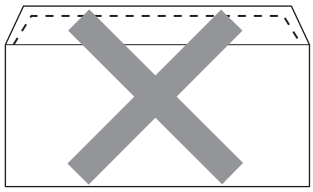
IMPORTANT

DO NOT use envelopes:

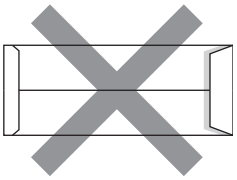
- that are damaged, curled, wrinkled or an unusual shape
- that are extremely shiny or textured
- with clasps, staples, snaps or tie strings
- with self-adhesive closures
- that are of a baggy construction
- that are not sharply creased
- that are embossed (have raised writing on them)
- that were previously printed by a laser machine
- that are pre-printed on the inside
- that cannot be arranged neatly when stacked
- that are made of paper that weighs more than the paper weight specifications for the machine
- with edges that are not straight or consistently square
- with windows, holes, cut-outs or perforations
- with glue on surface as shown in figure below



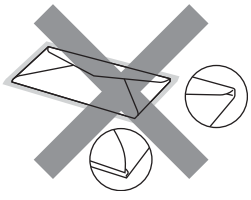
- with double flaps as shown in figure below



- with sealing flaps that are not folded down when purchased
- with sealing flaps as shown in figure below



- with each side folded as shown in figure below



If you use any of the types of envelopes listed above, they may damage your machine. This damage may not be covered under any Brother warranty or service agreement.

Labels

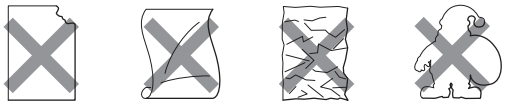
The machine will print on most types of labels designed for use with a laser machine. Labels should have an adhesive that is acrylic-based since this material is more stable at the high temperatures in the fuser unit. Adhesives should not come in contact with any part of the machine, because the label stock may stick to the drum unit or rollers and cause jams and print quality problems. No adhesive should be exposed between the labels. Labels should be arranged so that they cover the entire length and width of the sheet. Using labels with spaces may result in labels peeling off and causing serious jams or print problems.

All labels used in this machine must be able to withstand a temperature of 392 degrees Fahrenheit (200 degrees centigrade) for a period of 0.1 seconds.

Do not feed a label sheet through the machine more than one time.

Types of labels to avoid

Do not use labels that are damaged, curled, wrinkled or an unusual shape.



IMPORTANT

- Avoid feeding labels with the carrier sheet exposed because your machine will be damaged.
- Label sheets should not exceed the paper weight specifications described in this User's Guide. Labels exceeding this specification may not feed or print properly and may cause damage to your machine.
- DO NOT insert labels that have previously been used or that have labels missing from the sheet.

3 Loading documents

How to load documents

You can make copies and scan from the ADF* (Automatic Document Feeder) (*For DCP-7065DN) and the scanner glass.

Using the automatic document feeder (ADF) (For DCP-7065DN)

The ADF can hold up to 35 pages and feeds each sheet individually. Use standard 20 lb (80 g/m^2) paper and always fan the pages before putting them in the ADF.

Document Sizes Supported

Length:	5.8 to 14 in. (147.3 to 355.6 mm)
Width:	5.8 to 8.5 in. (147.3 to 215.9 mm)
Weight:	17 to 24 lb (64 to 90 g/m^2)

How to load documents

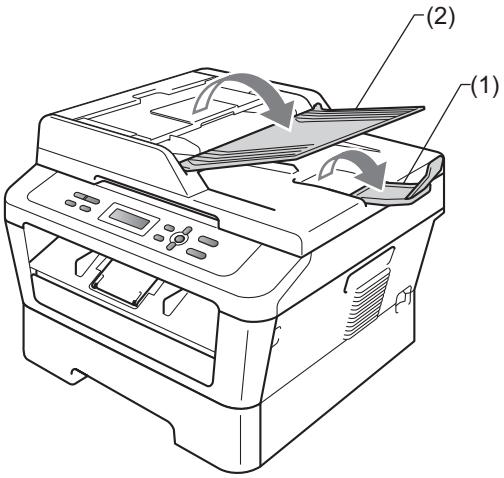
IMPORTANT

- DO NOT leave thick documents on the scanner glass. If you do this, the ADF may jam.
- DO NOT use paper that is curled, wrinkled, folded, ripped, stapled, paper-clipped, pasted or taped.
- DO NOT use cardboard, newspaper or fabric.
- To avoid damaging your machine while using the ADF, DO NOT pull on the document while it is feeding.

Note

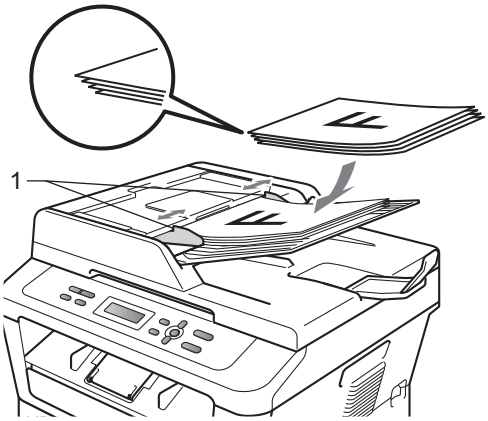
- To scan documents that are not suitable for the ADF, see *Using the scanner glass* on page 22.
- It is easier to use the ADF if you are loading a multiple page document.
- Make sure documents with correction fluid or written with ink are completely dry.

1. Lift up and unfold the ADF document output support flap (1).
   Unfold the ADF document support (2).



2. Fan the pages well.
3. Place your document *face up top edge first*, in the ADF until the LCD display message changes and you feel it touch the feed rollers.

4 Adjust the paper guides (1) to fit the width of your document.



IMPORTANT

- To avoid damaging your machine while using the ADF, DO NOT pull on the document while it is feeding.
- To scan non-standard documents, see *Using the scanner glass* on page 22.

Using the scanner glass

You can use the scanner glass to copy or scan pages of a book one page at a time.

Document Sizes Supported

Length:	Up to 11.7 in. (297.0 mm)
Width:	Up to 8.5 in. (215.9 mm)
Weight:	Up to 4.4 lb (2.0 kg)

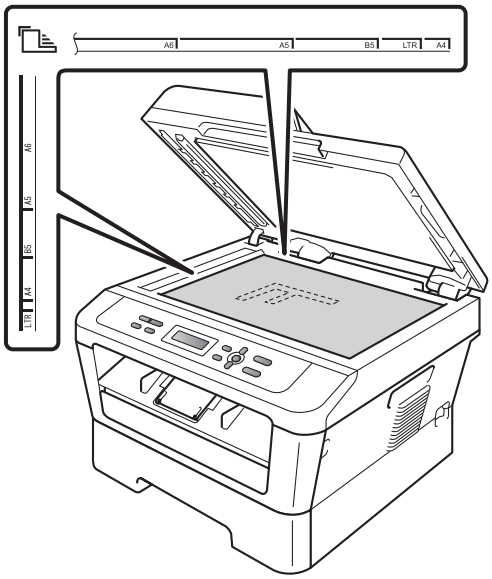
How to load documents

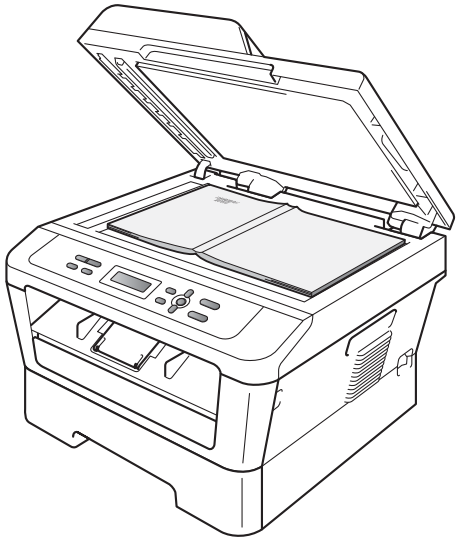
Note

To use the scanner glass, the ADF must be empty.

1 Lift the document cover.

2 Using the document guidelines on the left and top, place the document *face down* in the upper left corner of the scanner glass.





3 Close the document cover.

IMPORTANT

If the document is a book or is thick, do not slam or press on the cover.

4 Making copies

How to copy

The following steps show the basic copy operation. For details about each option, see the *Advanced User's Guide* on the CD-ROM.

1. Do one of the following to load your document:
   - (For DCP-7065DN) Place the document *face up* in the ADF. (See *Using the automatic document feeder (ADF) (For DCP-7065DN)* on page 21.)
   - Load your document *face down* on the scanner glass. (See *Using the scanner glass* on page 22.)
2. If you want to make a single copy, press **Start**.
   If you want to make multiple copies, press repeatedly or hold down ▲ or ▼ to increase or decrease the number of copies, and then press **Start**.

Stop copying

To stop copying, press **Stop/Exit**.

Copy settings

You can change the following copy settings:

Press **Menu**, **Options** or **Duplex** and then press ▲ or ▼ to scroll through the copy settings. When the setting you want is displayed, press **OK**.

For details about changing the copy settings, see *Copy settings* in *Chapter 2* of the *Advanced User's Guide.*

You can change the following copy settings:

- Enlarge/Reduce
- Quality
- Stack (up to 99 copies)
- Sort [1]
- Brightness
- Contrast
- Page Layout
- Duplex

[1] For DCP-7065DN

5 How to print from a computer

Printing a document

The machine can receive data from your computer and print it. To print from a computer, install the printer driver. (See *Printing* for Windows® or *Printing and Faxing* for Macintosh in the *Software User's Guide* for details about the print settings.)

1. Install the Brother printer driver on the Installation CD-ROM. (See the *Quick Setup Guide*.)
2. From your application, choose the Print command.
3. Choose the name of your machine in the **Print** dialog box and click **Properties**.
4. Choose the settings you want in the **Properties** dialog box.
   - **Paper Size**
   - **Orientation**
   - **Copies**
   - **Media Type**
   - **Resolution**
   - **Print Settings**
   - **Multiple Page**
   - **Duplex / Booklet**
   - **Paper Source**
5. Click **OK** to begin printing.

6 How to scan to a computer

Scanning a document

There are several ways to scan documents.

You can use the (**SCAN**) key on the machine or the scanner drivers on your computer.

1. To use the machine as a scanner, install a scanner driver. If the machine is on a Network, configure it with a TCP/IP address.
   - Install the scanner drivers on the Installation CD-ROM. (See the *Quick Setup Guide* and *Scanning* in the *Software User's Guide*.)
   - Configure the machine with a TCP/IP address if network scanning does not work. (See *Configuring Network Scanning* in the *Software User's Guide*.)
2. Load your document. (See *How to load documents* on page 21.)
   - (DCP-7065DN) Use the ADF to scan multiple pages of documents. It feeds each sheet automatically.
   - Use the scanner glass to scan a page of a book or one sheet at a time.
3. Do one of the following:
   - To scan using the (**SCAN**) key, go to *Scanning using the scan key* on page 26.
   - To scan using a scanner driver at your computer, go to *Scanning using a scanner driver* on page 27.

Scanning using the scan key

For more information, see *Using the Scan key* in the *Software User's Guide*.

1. Press the (**SCAN**) key.
2. Press **OK** to choose `Scan to PC`.
3. Choose the scan mode you want.
   Scan to:
   - `File`
   - `E-mail`
   - `OCR` [1]
   - `Image`

   [1] (Macintosh users)
   This function is available after you download and install Presto! PageManager from http://nj.newsoft.com.tw/download/brother/PM9SEInstaller_BR_multilang.dmg
4. (For DCP-7065DN and HL-2280DW network users)
   Choose the computer you want to send the data to.
5. Press **Start** to begin scanning.

Scanning using a scanner driver

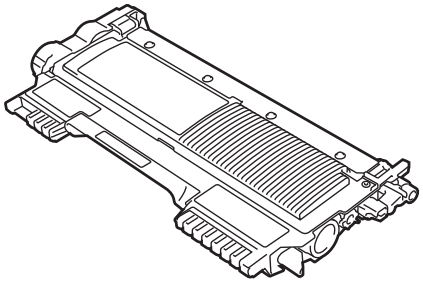
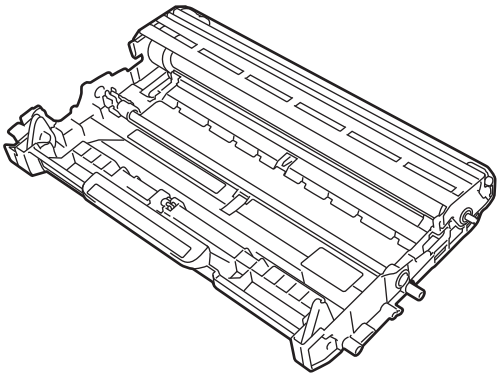
For more information, see *Scanning a document using the TWAIN driver* or *Scanning a document using the WIA driver* in the *Software User's Guide*.

1. Start a scanning application and click the **Scan** button.
2. Adjust the settings such as Resolution, Brightness and Scan Type in the Scanner Setup dialog box.
3. Click **Start** or **Scan** to begin scanning.

A Routine maintenance

Replacing the consumable items

The machine will indicate when it is time to replace the consumable items. (See *Replacing the toner cartridge* on page 29 and *Replacing the drum unit* on page 35.) To avoid any inconvenience, you may want to buy spare consumable items before the machine stops printing.

Toner cartridge	Drum unit
See *Replacing the toner cartridge* on page 29. Order No. TN-420, TN-450	See *Replacing the drum unit* on page 35. Order No. DR-420
	

Note

- Go to http://www.brother.com/original/index.html for instructions on how to return your used consumable items to the Brother collection program. If you choose not to return your used consumable, please discard the used consumable according to local regulations, keeping it separate from domestic waste. If you have questions, call your local waste disposal office.
- We recommend placing used consumable items on a piece of paper to prevent accidentally spilling or scattering the material inside.
- If you use paper that is not a direct equivalent for the recommended paper, the life of consumable items and machine parts may be reduced.
- The projected life of the toner cartridges is based on ISO/IEC 19752. Frequency of replacement will vary depending on the complexity of printed pages, percentage of coverage and type of media used.

Replacing the toner cartridge

Order No. For the Order No. of toner cartridges, see *Replacing the consumable items* on page 28.

The Standard toner cartridge can print approximately 1,200 pages [1]. The High Yield toner cartridge can print approximately 2,600 pages [1]. Actual page count will vary depending on your average type of document. When a toner cartridge is running low, the LCD shows `Toner Low`.

The toner cartridge that comes supplied with the machine is a Starter toner cartridge that will need to be replaced after approximately 700 pages [1].

[1] Approx. cartridge yield is declared in accordance with ISO/IEC 19752.

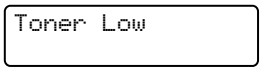
IMPORTANT

Brother strongly recommends that you DO NOT refill the toner cartridge provided with your machine. We also strongly recommend that you continue to use only Genuine Brother Brand replacement toner cartridges. Use or attempted use of potentially incompatible toner and/or cartridges in the Brother machine may cause damage to the machine and/or may result in unsatisfactory print quality. Our warranty coverage does not apply to any problem that is caused by the use of unauthorized third-party toner and/or cartridges. To protect your investment and obtain premium performance from the Brother machine, we strongly recommend the use of Genuine Brother Supplies.

Note

- It is a good idea to keep a new toner cartridge ready for use when you see the `Toner Low` warning.
- To ensure high quality printing, we recommend that you use only Genuine Brother Brand toner cartridges. When you want to buy toner cartridges, please call Brother Customer Service.
- We recommend that you clean the machine when you replace the toner cartridge. See *Cleaning and Checking the machine* in *Appendix A* of the *Advanced User's Guide*.
- If you change the print density setting for lighter or darker printing, the amount of toner used will change.
- Wait to unpack the toner cartridge until immediately before you put it into the machine.

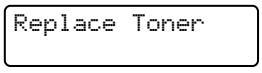
Toner Low



If the LCD shows `Toner Low`, buy a new toner cartridge and have it ready before you get a `Replace Toner` message.

Replace Toner

When the following message appears on the LCD, you need to replace the toner cartridge:



The machine will stop printing until you replace the toner cartridge. A new and unused genuine Brother toner cartridge will reset the Replace Toner mode.

Note

To force the machine to continue printing after the LCD shows `Replace Toner`, set the machine to Continue mode (Press **Menu**, press ▲ or ▼ to choose `1.General Setup` and press **OK**, press ▲ or ▼ to choose `4.Replace Toner`, and press **OK**, press ▲ or ▼ to choose `Continue` and press **OK**). The machine will continue printing until the LCD shows `Toner Ended`. (For details about the Toner settings, see *Toner Settings* in *Chapter 1* of the *Advanced User's Guide*.)

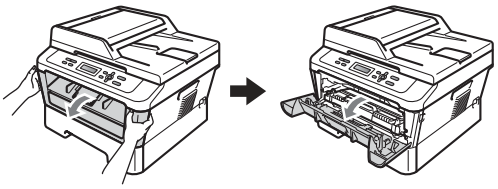
Toner Ended

Toner Ended

The machine stops printing until you replace the toner cartridge with a new one. (See *Replacing the toner cartridge* on page 30.)

Replacing the toner cartridge

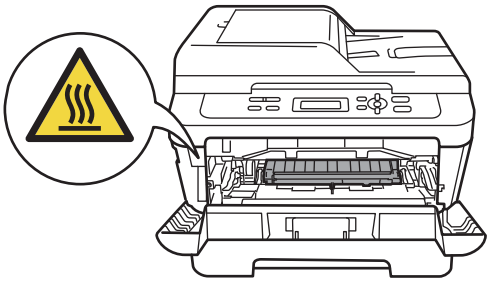
1. Make sure that the machine is turned on.
2. Open the front cover and leave the machine turned on for 10 minutes to cool down.

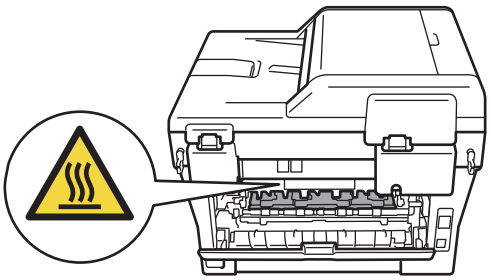


WARNING

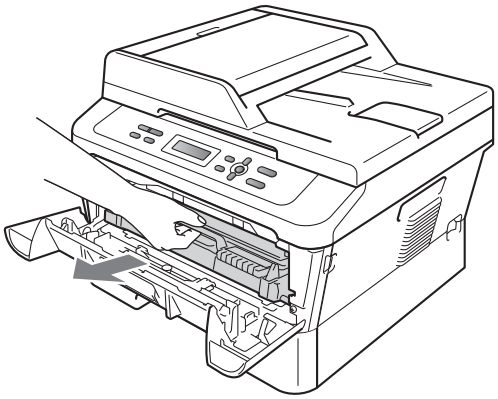
HOT SURFACE

After you have just used the machine, some internal parts of the machine will be extremely hot. When you open the front or back cover (back output tray) of the machine, DO NOT touch the shaded parts shown in the illustration. If you do this, you may burn yourself.

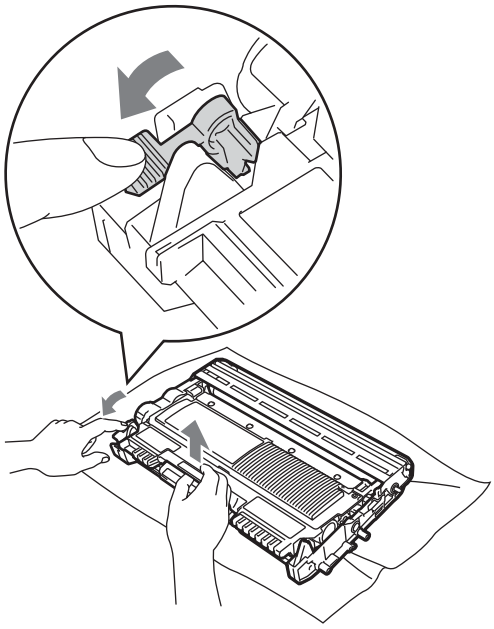




3 Take out the drum unit and toner cartridge assembly.



4 Push down the green lock lever and take the toner cartridge out of the drum unit.



WARNING

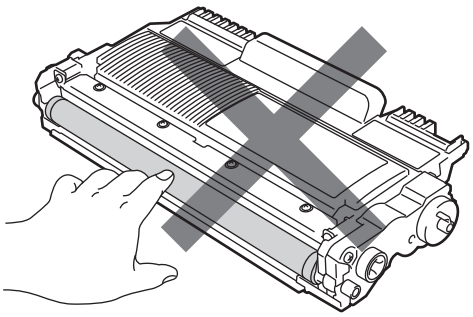
DO NOT put a toner cartridge into a fire. It could explode, resulting in injuries.

DO NOT use cleaning materials that contain ammonia, alcohol, any type of spray or any type of flammable substance to clean the inside or outside of the machine. Doing this may cause a fire or electrical shock.
See *To use the product safely* in the *Safety and Legal booklet* for how to clean the machine.

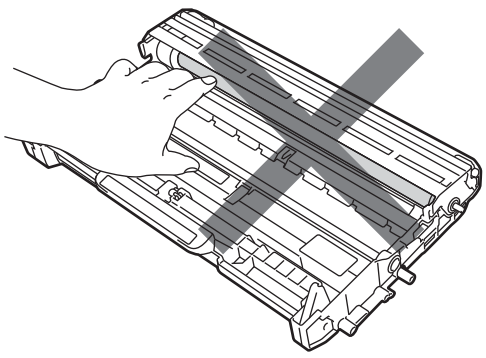
Be careful not to inhale toner.

IMPORTANT

- We recommend that you place the drum unit and/or the toner cartridge on a clean, flat, level, stable surface with a sheet of disposable paper or cloth underneath it in case you accidentally spill or scatter toner.
- Handle the toner cartridge carefully. If toner scatters on your hands or clothes, immediately wipe or wash it off with cold water.
- To avoid print quality problems, DO NOT touch the shaded parts shown in the illustration.



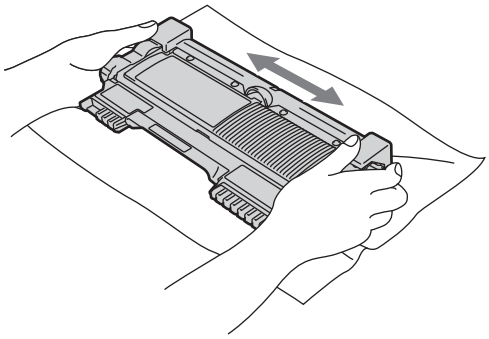
A



Note

- Be sure to seal up the toner cartridge tightly in a suitable bag so that toner powder does not spill out of the cartridge.
- Go to http://www.brother.com/original/index.html for instructions on how to return your used consumable items to the Brother collection program. If you choose not to return your used consumable, please discard the used consumable according to local regulations, keeping it separate from domestic waste. If you have questions, call your local waste disposal office.

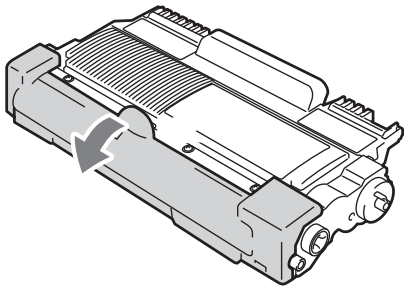
5 Unpack the new toner cartridge. Hold the cartridge level with both hands and gently shake it from side to side several times to spread the toner evenly inside the cartridge.



IMPORTANT

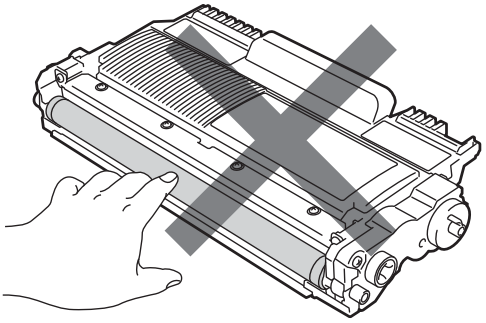
Wait to unpack the new toner cartridge until immediately before you put it in the machine. If a toner cartridge is left unpacked for a long time, the toner life will be shortened.

6 Pull off the protective cover.

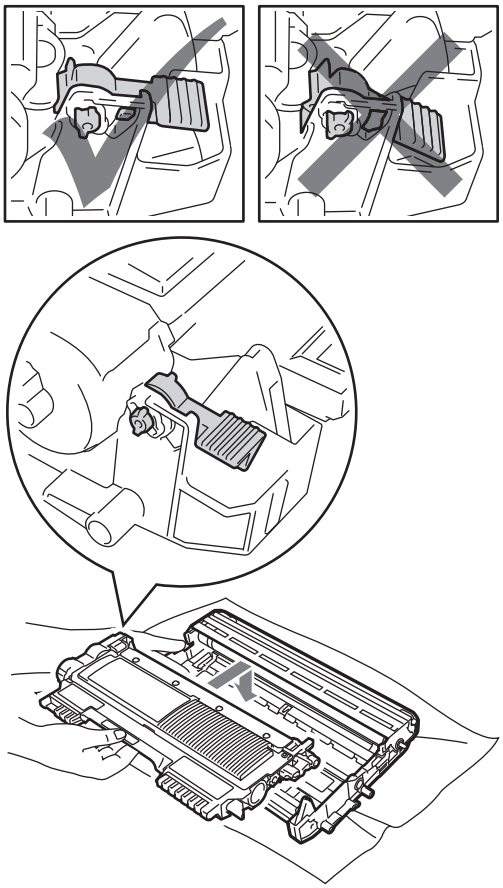


IMPORTANT

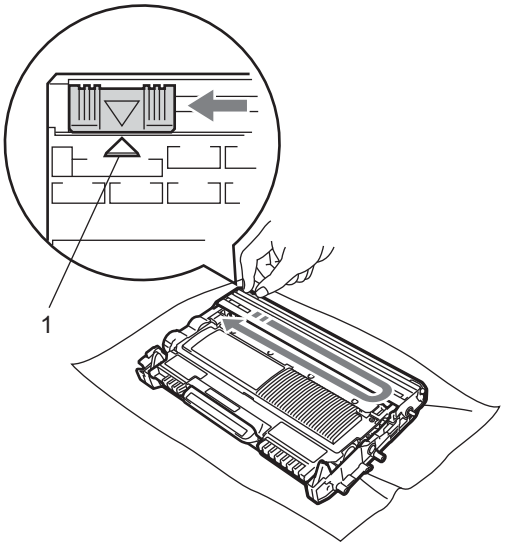
Put the toner cartridge in the drum unit immediately after you have removed the protective cover. To prevent any degradation to the print quality, DO NOT touch the shaded parts shown in the illustrations.



7 Put the new toner cartridge firmly into the drum unit until you hear it lock into place. If you put it in properly, the green lock lever will lift automatically.



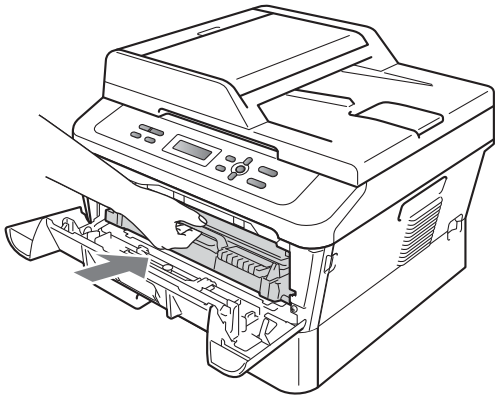
8 Clean the primary corona wire inside the drum unit by gently sliding the green tab from left to right and right to left several times.



Note

Be sure to return the tab to the home position (▲) (1). If you do not, printed pages may have a vertical stripe.

9 Put the drum unit and toner cartridge assembly back into the machine. Close the front cover.



A

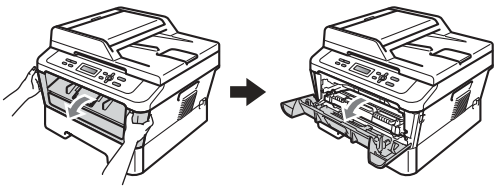
Note

After replacing the toner cartridge, DO NOT turn off the machine's power switch or open the front cover until the LCD returns to Ready mode.

Cleaning the corona wire

If you have print quality problems, clean the corona wire as follows:

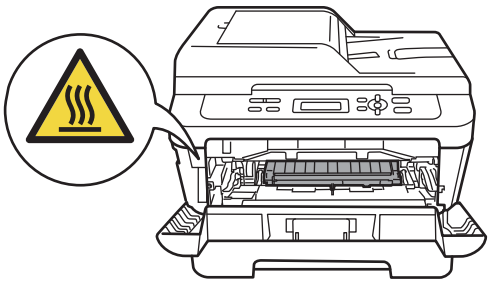
1. Open the front cover and leave the machine turned on for 10 minutes to cool down.

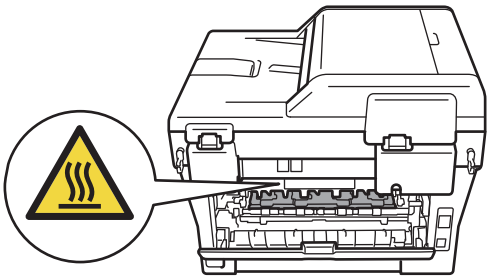


WARNING

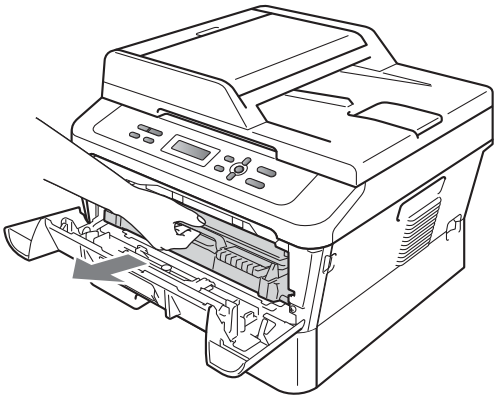
HOT SURFACE

After you have just used the machine, some internal parts of the machine will be extremely hot. When you open the front or back cover (back output tray) of the machine, DO NOT touch the shaded parts shown in the illustration. If you do this, you may burn yourself.





2. Slowly take out the drum unit and toner cartridge assembly.

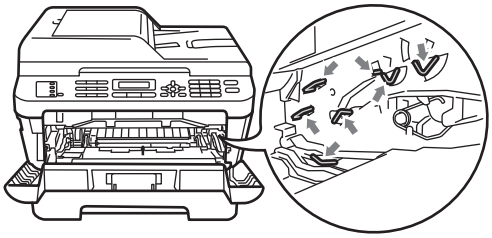


CAUTION

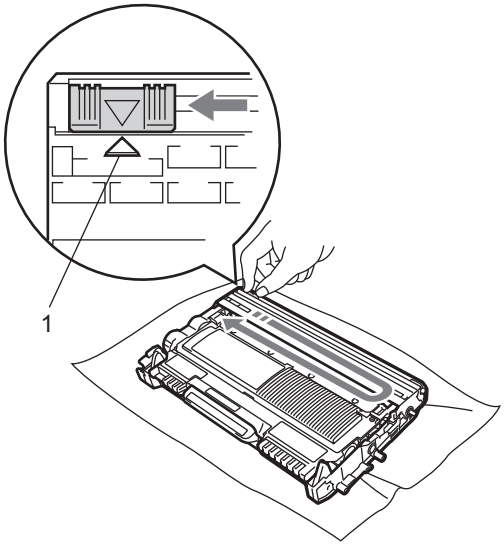
We recommend that you place the drum unit and toner cartridge assembly on a clean, flat surface with a sheet of disposable paper or cloth underneath it in case you accidentally spill or scatter toner.

Handle the toner cartridge carefully. If toner scatters on your hands or clothes, immediately wipe or wash it off with cold water.

To prevent damage to the machine caused by static electricity, DO NOT touch the electrodes shown in the illustration.



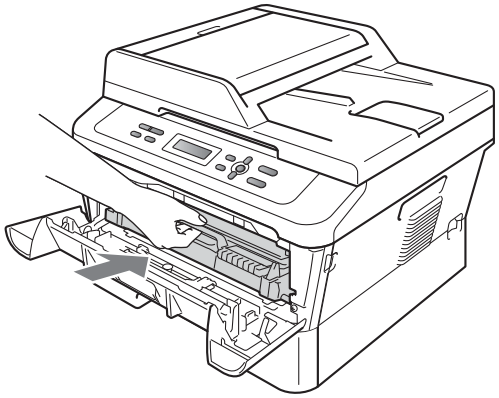
3 Clean the corona wire inside the drum unit by gently sliding the green tab from left to right and right to left several times.



Note

Be sure to return the tab to the home position (▲) (1). If you do not, printed pages may have a vertical stripe.

4 Put the drum unit and toner cartridge assembly back into the machine. Close the front cover.



Replacing the drum unit

Order No. DR-420

A new drum unit can print approximately 12,000 Letter or A4 size single-sided pages.

Note

- There are many factors that determine the actual drum life, such as the temperature, humidity, type of paper, type of toner used and so on. Under ideal conditions, the average drum life is estimated at approximately 12,000 pages. The actual number of pages that your drum will print may be significantly less than this estimate. Because we have no control over the many factors that determine the actual drum life, we cannot guarantee a minimum number of pages that will be printed by your drum.
- For best performance, use only genuine Brother toner. The machine should be used only in a clean, dust-free environment with adequate ventilation.

- Printing with a non-Brother drum unit may reduce not only the print quality but also the quality and life of the machine itself. Warranty coverage does not apply to problems caused by the use of a non-Brother drum unit.

Drum Error

Drum Error

The corona wire has become dirty. Clean the corona wire in the drum unit. (See *Cleaning the corona wire* on page 34.)

If you cleaned the corona wire and Drum Error was not cleared, replace the drum unit with a new one.

Replace Drum

Replace Drum

Please replace the drum unit with a new one. We recommend a genuine Brother drum unit be installed at this time.

After replacement, reset the drum counter by following the instructions included with the new drum unit.

Drum Stop

Drum Stop

We cannot guarantee the print quality. Please replace the drum unit with a new one. We recommend a genuine Brother drum unit be installed at this time.

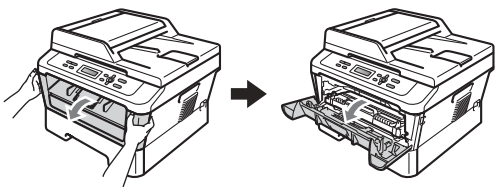
After replacement, reset the drum counter by following the instructions included with the new drum unit.

Replacing the drum unit

IMPORTANT

- While removing the drum unit, handle it carefully because it may contain toner. If toner scatters on your hands or clothes, immediately wipe or wash it off with cold water.
- Every time you replace the drum unit, clean the inside of the machine. (See *Cleaning and Checking the machine* in *Appendix A* of the *Advanced User's Guide*.)

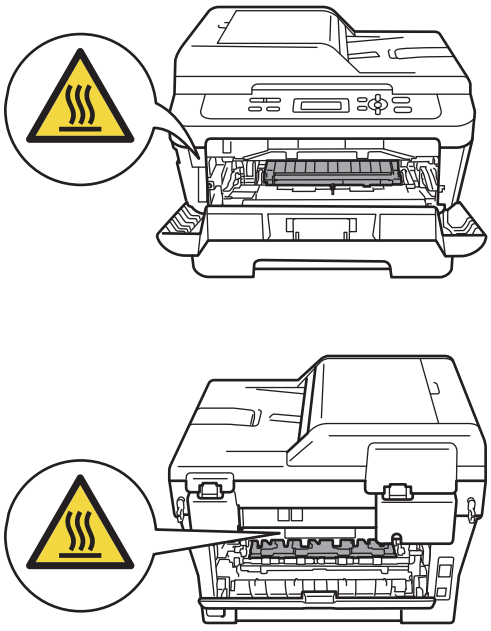
1. Make sure that the machine is turned on.
2. Open the front cover and leave the machine turned on for 10 minutes to cool down.



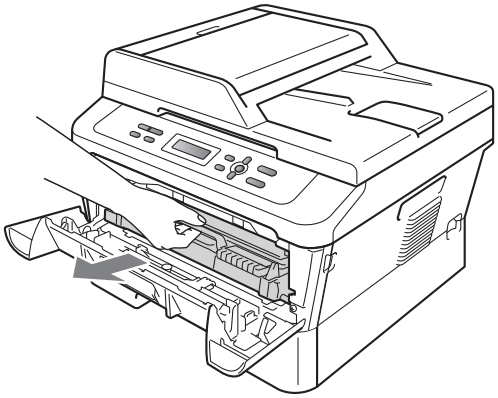
WARNING

HOT SURFACE

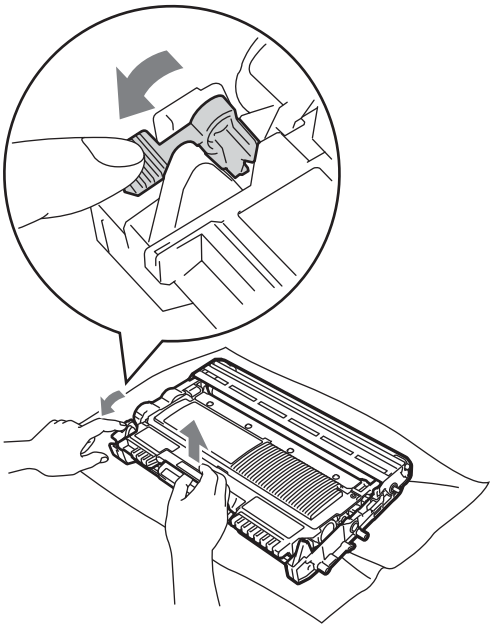
After you have just used the machine, some internal parts of the machine will be extremely hot. When you open the front or back cover (back output tray) of the machine, DO NOT touch the shaded parts shown in the illustration. If you do this, you may burn yourself.



3 Take out the drum unit and toner cartridge assembly.



4 Push down the green lock lever and take the toner cartridge out of the drum unit.



⚠ WARNING

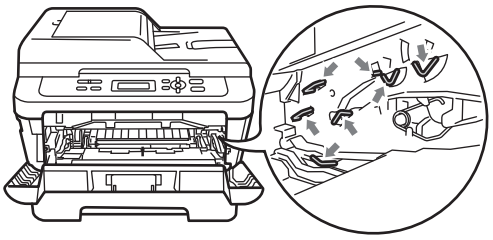
DO NOT put a toner cartridge into a fire. It could explode, resulting in injuries.

DO NOT use cleaning materials that contain ammonia, alcohol, any type of spray, or any type of flammable substance to clean the outside or inside of the machine. Doing this may cause a fire or electrical shock.
See *To use the product safely* in the *Safety and Legal booklet* for how to clean the machine.

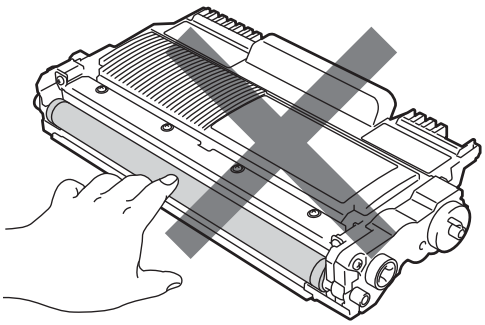
Be careful not to inhale toner.

IMPORTANT

- To prevent damage to the machine from static electricity, DO NOT touch the electrodes shown in the illustration.



- Handle the toner cartridge carefully. If toner scatters on your hands or clothes, immediately wipe or wash it off with cold water.
- We recommend that you place the drum unit and/or the toner cartridge on a clean, flat surface with a sheet of disposable paper or cloth underneath it in case you accidentally spill or scatter toner.
- To avoid print quality problems, DO NOT touch the shaded parts shown in the illustrations.



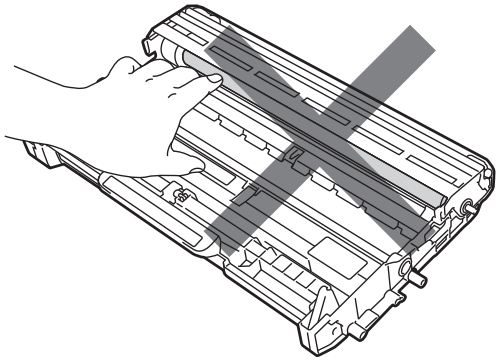
Note

Go to http://www.brother.com/original/index.html for instructions on how to return your used consumable items to the Brother collection program. If you choose not to return your used consumable, please discard the used consumable according to local regulations, keeping it separate from domestic waste. If you have questions, call your local waste disposal office.

5 Unpack the new drum unit.

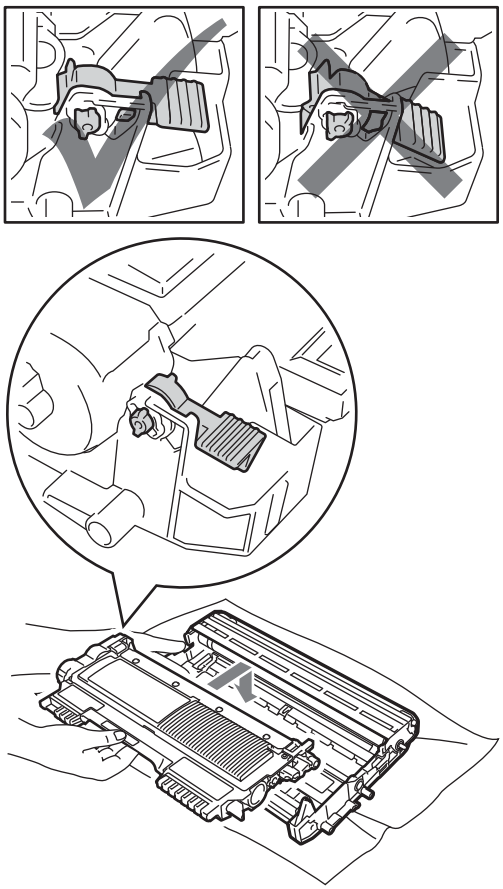
IMPORTANT

- To avoid print quality problems, DO NOT touch the shaded parts shown in the illustrations.



- Wait to unpack the new drum unit until immediately before you put it in the machine. Exposure to direct sunlight or room light may damage the drum unit.

6 Put the toner cartridge firmly into the new drum unit until you hear it lock into place. If you put the cartridge in properly, the green lock lever will lift automatically.



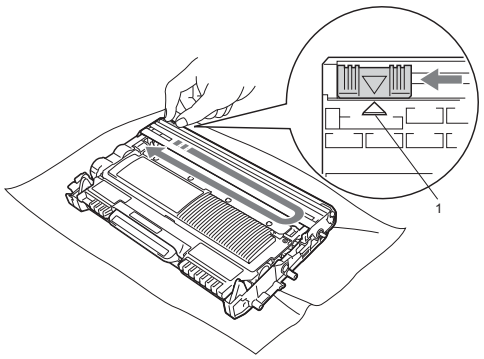
Note

Make sure that you put in the toner cartridge properly or it may separate from the drum unit.

7 Clean the corona wire of the drum unit by gently sliding the green tab from left to right and right to left several times.

⚠ CAUTION

Be sure to return the green tab to the home position (a) (1). If you do not, printed pages may have a vertical stripe.



8 Put the new drum unit and toner cartridge assembly in the machine.

Resetting the drum counter

When you replace the drum unit with a new one, you need to reset the drum counter by completing the following steps:

1 Open the front cover and press **Clear**. To confirm you are installing a new drum unit, press ▲.

2 When the LCD shows `Accepted`, close the front cover.

B Troubleshooting

Error and maintenance messages

As with any sophisticated office product, errors may occur and consumable items may need to be replaced. If this happens, your machine identifies the error or required routine maintenance and shows the appropriate message. The most common error and maintenance messages are shown below.

You can correct most errors and perform routine maintenance by yourself. If you need more help, the Brother Solutions Center offers the latest FAQs and troubleshooting tips:

Visit us at http://solutions.brother.com/.

Error Message	Cause	Action
`Cartridge Error`	The toner cartridge is not installed properly.	Pull out the drum unit and remove the toner cartridge, then re-install the toner cartridge in the drum unit.
`Cooling Down` `Wait for a while`	The temperature of the drum unit or toner cartridge is too hot. The machine will pause its current print job and go into cooling down mode. During the cooling down mode, you will hear the cooling fan running while the LCD shows `Cooling Down`, and `Wait for a while`.	Make sure that you can hear the fan in the machine spinning and that the exhaust outlet is not blocked by something. If the fan is spinning, remove any obstacles that surround the exhaust outlet, and then leave the machine turned on but do not use it for several minutes. If the fan is not spinning, disconnect the machine from the AC power outlet for several minutes then reconnect it.
`Cover is Open`	The front cover is not completely closed.	Close the front cover of the machine.
`Cover is Open` (For DCP-7065DN)	The ADF cover is not completely closed.	Close the ADF cover of the machine.
	The ADF is open while loading a document.	Close the ADF cover of the machine, then press **Stop/Exit**.
`Cover is Open`	The fuser cover is not completely closed or paper was jammed in the back of the machine when you turned on the power.	■ Close the fuser cover of the machine. ■ Make sure paper is not jammed inside the back of the machine, and then close the fuser cover and press **Start**.
`Document Jam` (For DCP-7065DN)	The document was not inserted or fed properly, or the document scanned from the ADF was too long.	See *Document is jammed in the top of the ADF unit (For DCP-7065DN)* on page 43 or *Using the automatic document feeder (ADF) (For DCP-7065DN)* on page 21.
`Drum Error`	The corona wire on the drum unit needs to be cleaned.	Clean the corona wire on the drum unit. (See *Cleaning the corona wire* on page 34.)
`Drum Stop`	It is time to replace the drum unit.	Replace the drum unit. (See *Replacing the drum unit* on page 36.)

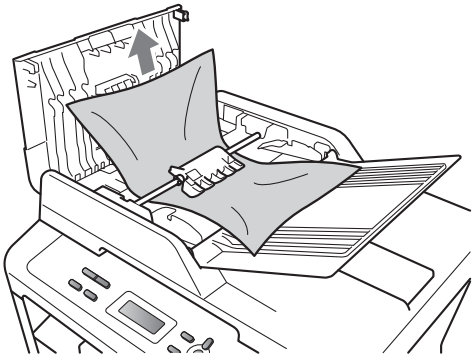
Error Message	Cause	Action
Duplex Disabled	The duplex tray is removed or is not properly installed.	Carefully put the duplex tray into the machine until it clicks into place.
	The back of the machine is not closed completely.	Close the back cover of the machine.
EL Error	The machine has a mechanical problem.	Open the front cover and close it again.
Fuser Error	The temperature of the fuser unit does not rise to a specified temperature within the specified time.	Turn the power switch off, wait a few seconds, and then turn it on again. Leave the machine for 15 minutes with the power turned on.
	The fuser unit is too hot.	
Init Unable XX	The machine has a mechanical problem.	■ Disconnect the machine from the power for several minutes and then reconnect it. ■ If the problem continues, call Brother Customer Service.
Jam Duplex	The paper is jammed in the duplex tray at the back of the machine.	(See *Paper is jammed in the Duplex Tray* on page 52.)
Jam Inside	The paper is jammed inside the machine.	(See *Paper is jammed inside the machine* on page 48.)
Jam Rear	The paper is jammed in the back of the machine.	(See *Paper is jammed at the back of the machine* on page 46.)
Jam Tray	The paper is jammed in the paper tray of the machine.	(See *Paper is jammed in the standard paper tray* on page 45.)
No Paper	The machine is out of paper or paper is not properly loaded in the paper tray.	Do one of the following: ■ Refill the paper in the paper tray and press **Start**. ■ Remove the paper and load it again. Then press **Start**. ■ If the problem is not resolved, the paper pick-up roller may need to be cleaned. Clean the paper pick-up roller. (See *Cleaning the paper pick-up rollers* in *Appendix A* of the *Advanced User's Guide*.)
Manual Feed	Manual feed was selected as the paper source when there was no paper in the manual feed slot.	Place a sheet of paper in the manual feed slot. (See *Loading paper in the manual feed slot* on page 10.)
No Toner	The toner cartridge is not installed correctly.	Pull out the drum unit. Take out the toner cartridge and then put it back into the drum unit.

Error Message	Cause	Action
Out of Memory	The machine's memory is full.	**Do one of the following:** ■ Press **Start** to copy the scanned pages. (Copy operation in progress) ■ Press **Stop/Exit** and wait until the other operations in progress finish, and then try again. ■ Reduce print resolution. (See the *Basic tab in the Software User's Guide*.)
Print Unable XX	The machine has a mechanical problem.	Do one of the following: ■ Disconnect the machine from the AC power outlet for several minutes, then reconnect it. ■ If the problem continues, call Brother Customer Service.
Replace Drum	It is time to replace the drum unit.	Replace the drum unit. (See *Replacing the drum unit* on page 36.)
	The drum unit counter was not reset when a new drum was installed.	Reset the drum unit counter. (See *Resetting the drum counter* on page 39.)
Replace Toner	The machine will stop printing until you replace the toner cartridge.	If you have set the Toner setting to Stop, replace the toner cartridge with a new and unused genuine Brother toner cartridge. This will reset the Replace Toner mode. (See *Replacing the toner cartridge* on page 29.) If you have set the Toner setting to Continue, the machine will continue to print data until the LCD shows Toner Ended. For how to operate the machine in Continue mode, see *Toner Settings* in *Chapter 1* of the *Advanced User's Guide*.
Size Error DX	The paper in the tray is not a suitable size for automatic duplex printing.	Load either Letter, Legal or Folio paper for automatic duplex printing, and then press **Start**. (See *Print media* on page 85.)
Toner Ended	It is time to replace the toner cartridge.	Replace the toner cartridge with a new one. (See *Replacing the toner cartridge* on page 29.)
Toner Low	You will need to replace the toner cartridge soon.	Buy a new toner cartridge before you get a Replace Toner message.

Document Jams

Document is jammed in the top of the ADF unit (For DCP-7065DN)

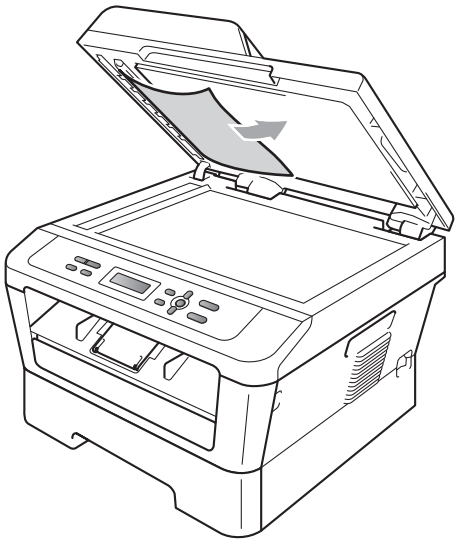
1. Take out any paper from the ADF that is not jammed.
2. Open the ADF cover.
3. Pull the jammed document out to the left.



4. Close the ADF cover.
5. Press **Stop/Exit**.

Document is jammed under the document cover (For DCP-7065DN)

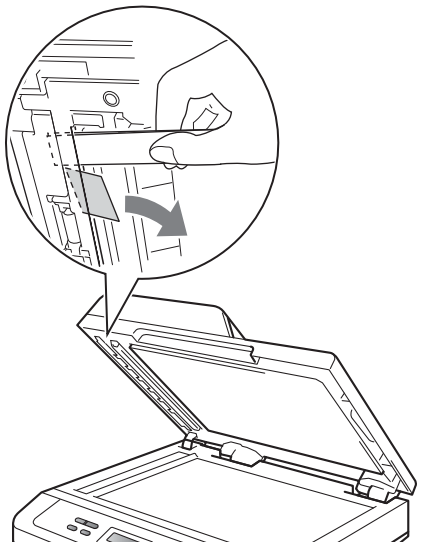
1. Take out any paper from the ADF that is not jammed.
2. Lift the document cover.
3. Pull the jammed document out to the right.



4. Close the document cover.
5. Press **Stop/Exit**.

Removing small documents jammed in the ADF (For DCP-7065DN)

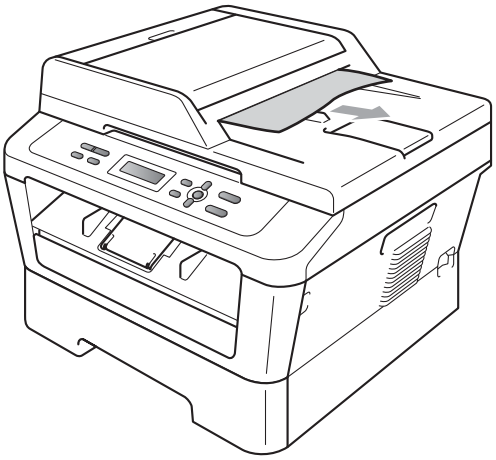
1. Lift the document cover.
2. Insert a piece of stiff paper, such as cardstock, into the ADF to push any small paper scraps through.



3. Close the document cover.
4. Press **Stop/Exit**.

Document is jammed at the output tray (For DCP-7065DN)

1. Take out any paper from the ADF that is not jammed.
2. Pull the jammed document out to the right.



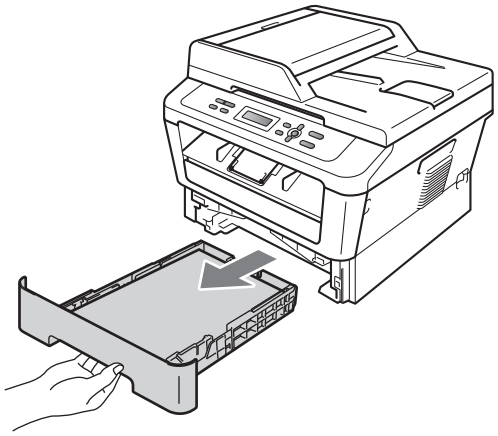
3. Press **Stop/Exit**.

Paper Jams

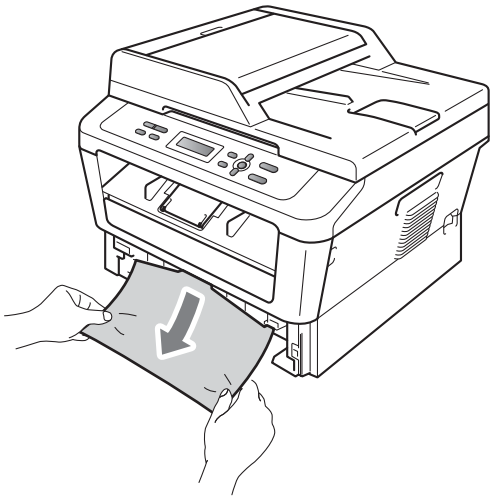
Paper is jammed in the standard paper tray

If the LCD shows `Jam Tray`, follow these steps:

1. Pull the paper tray completely out of the machine.



2. Use both hands to slowly pull out the jammed paper.



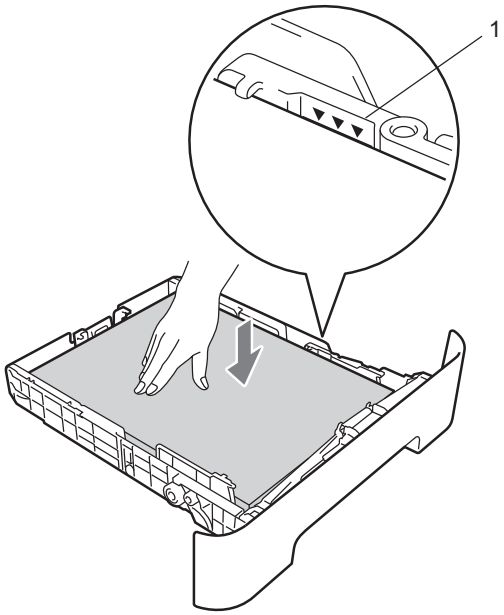
IMPORTANT

If the paper cannot easily be removed in this direction, stop and follow the instructions for *Paper is jammed inside the machine* on page 48.

Note

Pulling out the jammed paper downwards allows you to remove the paper more easily.

3. Make sure the paper is below the maximum paper mark (▼▼▼) (1) of the paper tray. While pressing the green paper-guide release lever, slide the paper guides to fit the paper size. Make sure that the guides are firmly in the slots. (See *Loading paper in the standard paper tray* on page 8.)

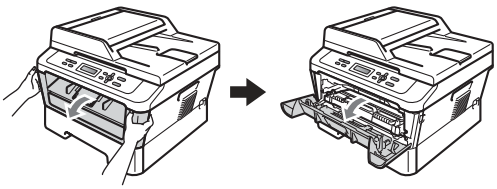


4. Put the paper tray firmly back in the machine.

Paper is jammed at the back of the machine

If the LCD shows `Jam Rear`, a paper jam occurred behind the back cover. Follow these steps:

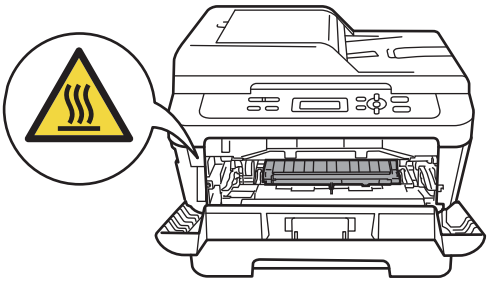
1. Open the front cover. Leave the machine turned on for 10 minutes to cool down.

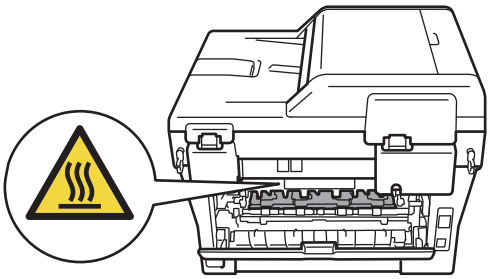


WARNING

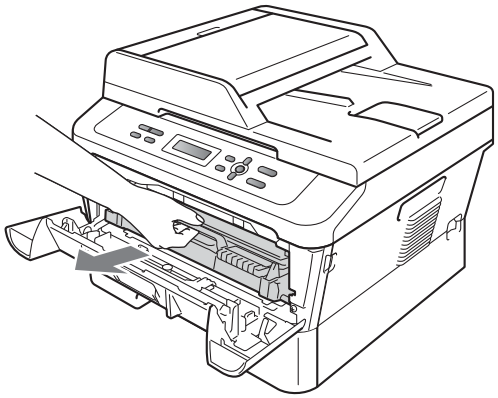
HOT SURFACE

After you have just used the machine, some internal parts of the machine will be extremely hot. When you open the front or back cover (back output tray) of the machine, DO NOT touch the shaded parts shown in the illustration. If you do this, you may burn yourself.



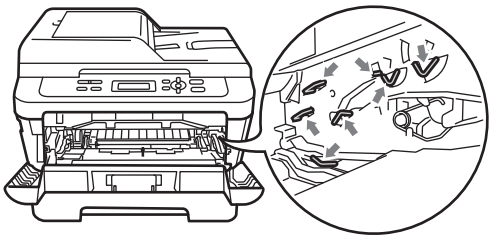


2. Slowly take out the drum unit and toner cartridge assembly.

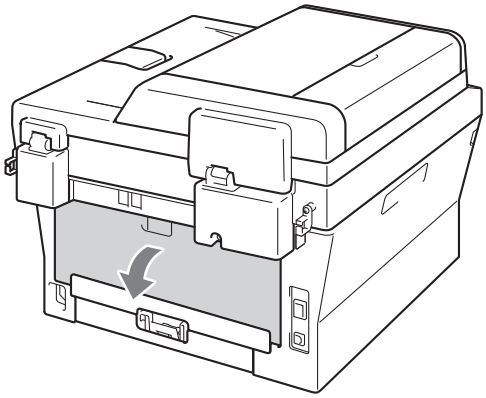


IMPORTANT

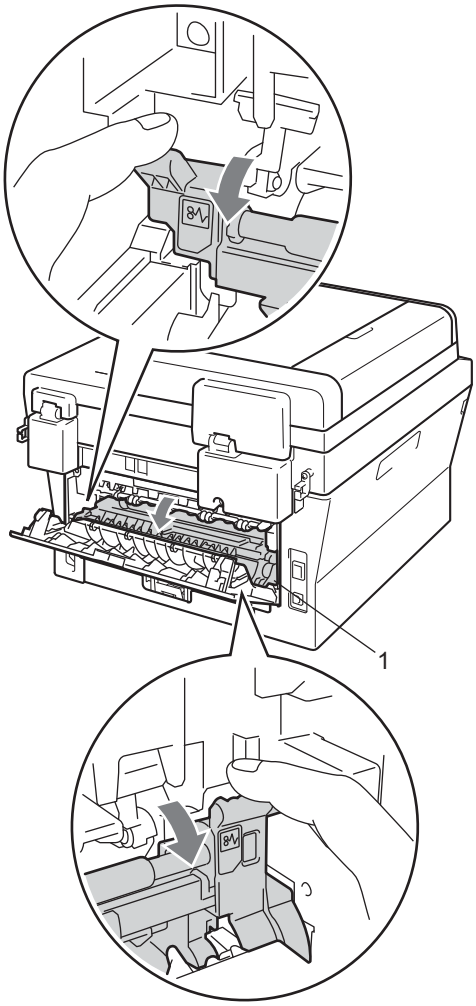
- We recommend that you place the drum unit and the toner cartridges on a clean, flat surface with a sheet of disposable paper or cloth underneath it in case you accidentally spill or scatter toner.
- To prevent damage to the machine caused by static electricity, DO NOT touch the electrodes shown in the illustration.



3 Open the back cover (face-up output tray).

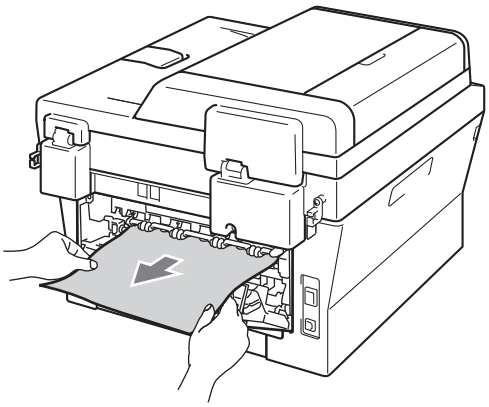


4 Pull down the tabs at the left and right hand sides to open the fuser cover (1).



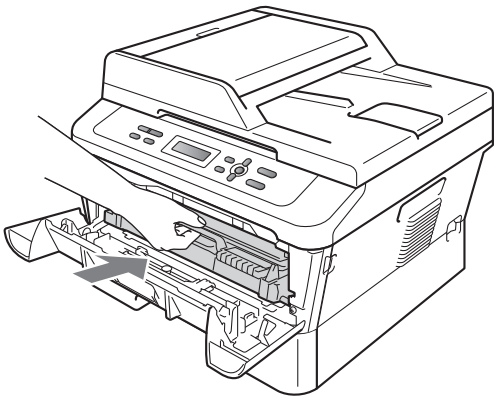
B

5 Using both hands, gently pull the jammed paper out of the fuser unit.



6 Close the fuser cover and the back cover (face-up output tray).

7 Put the drum unit and toner cartridge assembly back into the machine.



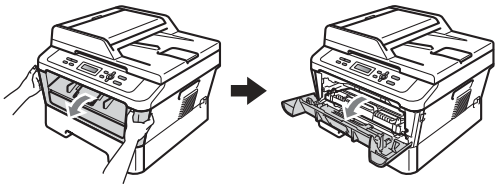
8 Close the front cover. If the machine does not start printing automatically, press **Start**.

Paper is jammed inside the machine

If the LCD shows `Jam Inside`, follow these steps:

1 Leave the machine turned on for 10 minutes to cool down.

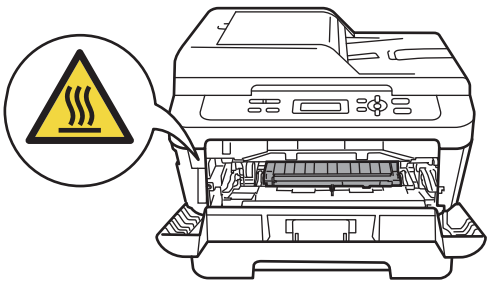
2 Open the front cover.

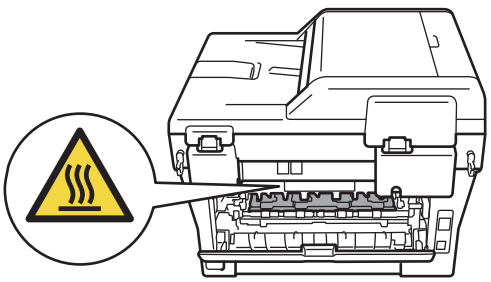


⚠ WARNING

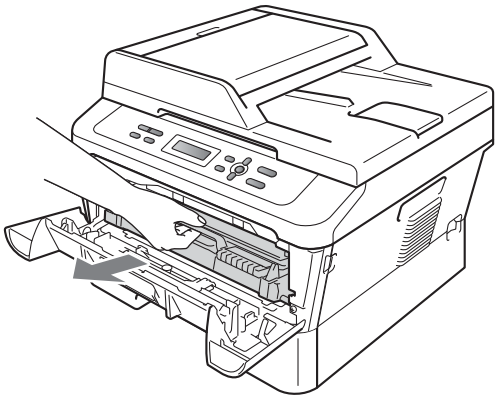
HOT SURFACE

After you have just used the machine, some internal parts of the machine will be extremely hot. When you open the front or back cover (back output tray) of the machine, DO NOT touch the shaded parts shown in the illustration. If you do this, you may burn yourself.





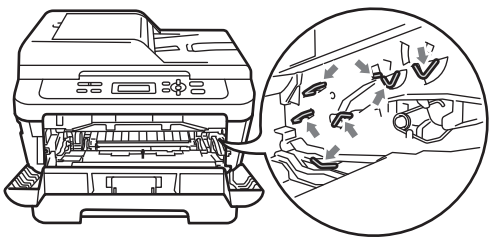
3 Slowly take out the drum unit and toner cartridge assembly. The jammed paper may be pulled out with the drum unit and toner cartridge assembly, or this may release the paper so you can pull it out of the inside of the machine.



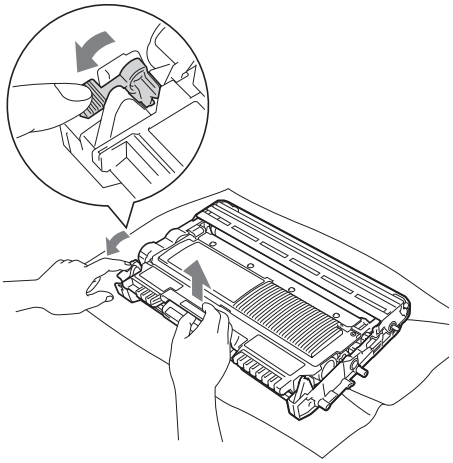
If you can not remove the drum unit and toner cartridge assembly easily, do not use extra force. Instead, go to step ❼.

IMPORTANT

- We recommend that you put the drum unit and toner cartridge assembly on a piece of disposable paper or cloth in case you accidentally spill or scatter toner.
- To prevent damage to the machine from static electricity, DO NOT touch the electrodes shown in the illustration.

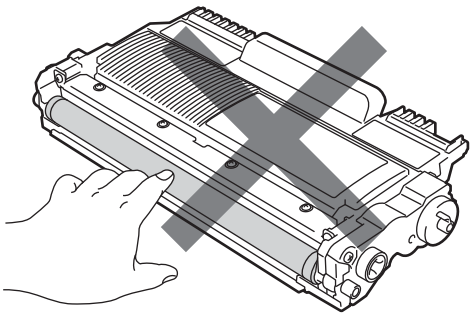


4 Push down the green lock lever and take the toner cartridge out of the drum unit. Clear the jammed paper if there is any inside the drum unit.

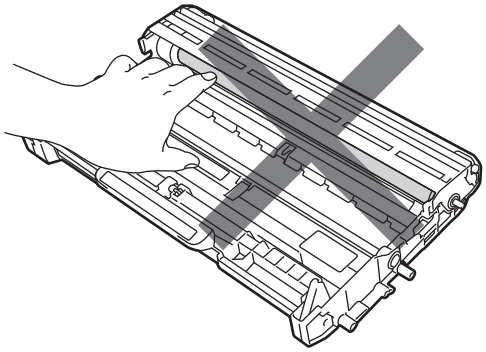


IMPORTANT

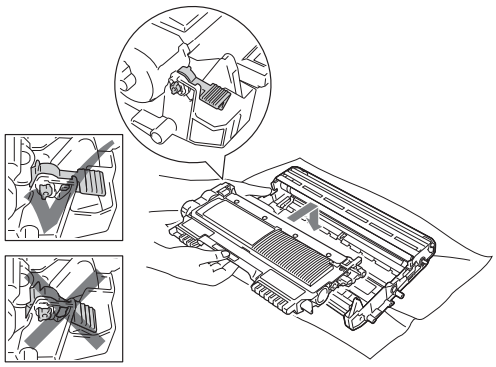
- Handle the toner cartridge carefully. If toner scatters on your hands or clothes, immediately wipe or wash it off with cold water.
- To avoid print quality problems, DO NOT touch the shaded parts shown in the illustrations.



B

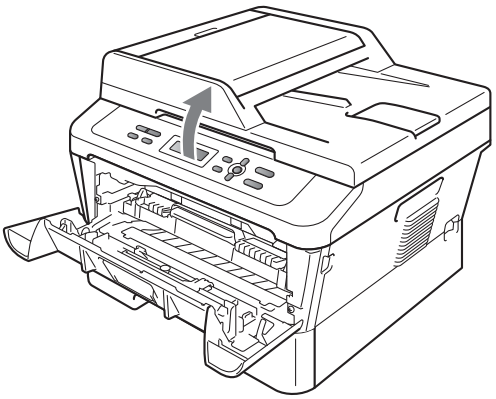


5 Put the toner cartridge back into the drum unit until you hear it lock into place. If you put the cartridge in properly, the green lock lever will lift automatically.

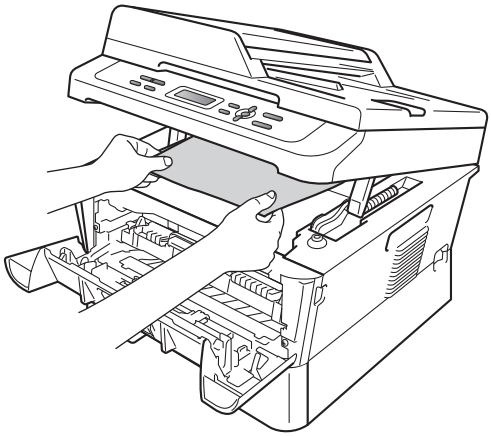


6 If you were able to remove the drum unit and toner cartridge assembly and the jammed paper, you have cleared the paper jam. Put the drum unit and toner cartridge assembly back into the machine and close the front cover. If the machine does not start printing automatically, press **Start**.

7 Lift the scanner cover.

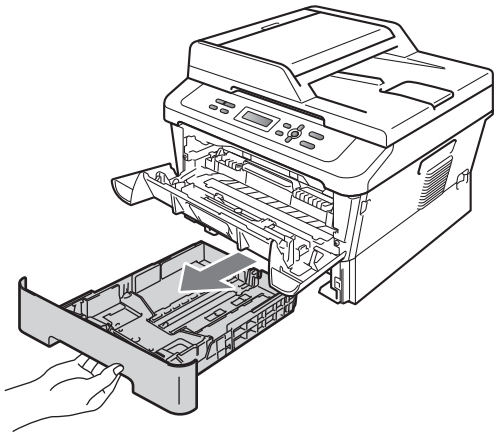


Use both hands to carefully pull the jammed paper up and out of the output tray opening.

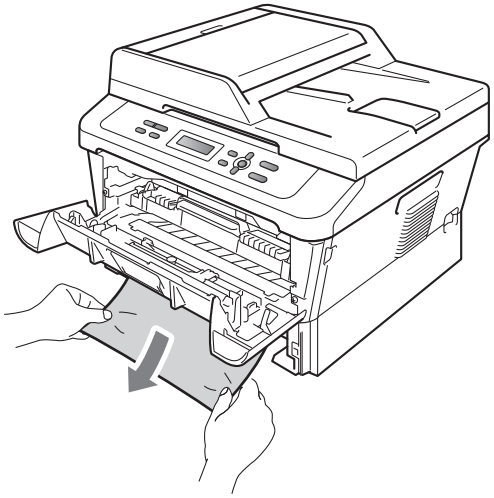


8 Close the scanner cover.

9 If you could not pull the jammed paper out of the output tray opening as shown in step ❼, take the paper tray completely out of the machine.



10 Pull the jammed paper out of the paper tray opening.



11 Put the paper tray back into the machine. If you have removed the jammed paper, you have cleared the paper jam.

Note

- If the LCD shows a `Jam Inside` message, check if there is a torn piece of paper inside the machine and drum unit by following the instructions in steps ❸ to ❻.
- If you turn off the machine while the LCD shows a `Jam Inside` message, the machine will print incomplete data from your computer.

Paper is jammed in the Duplex Tray

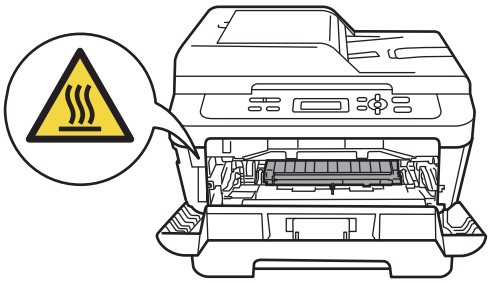
If the LCD shows `Jam Duplex`, follow these steps:

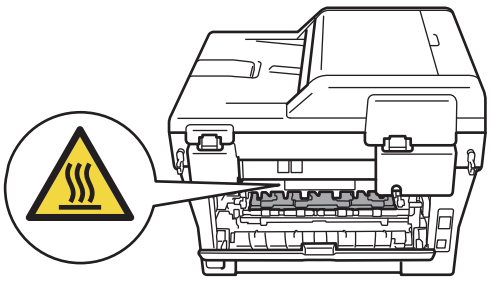
1. Leave the machine turned on for 10 minutes to cool down.

WARNING

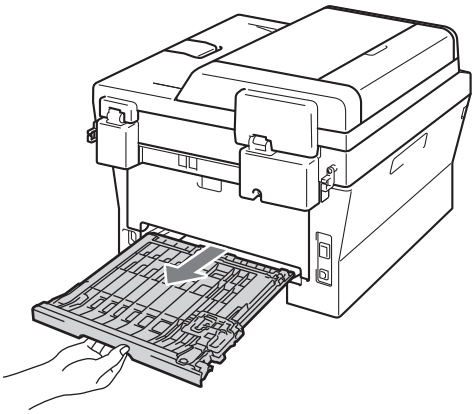
HOT SURFACE

After you have just used the machine, some internal parts of the machine will be extremely hot. When you open the front or back cover (back output tray) of the machine, DO NOT touch the shaded parts shown in the illustration. If you do this, you may burn yourself.

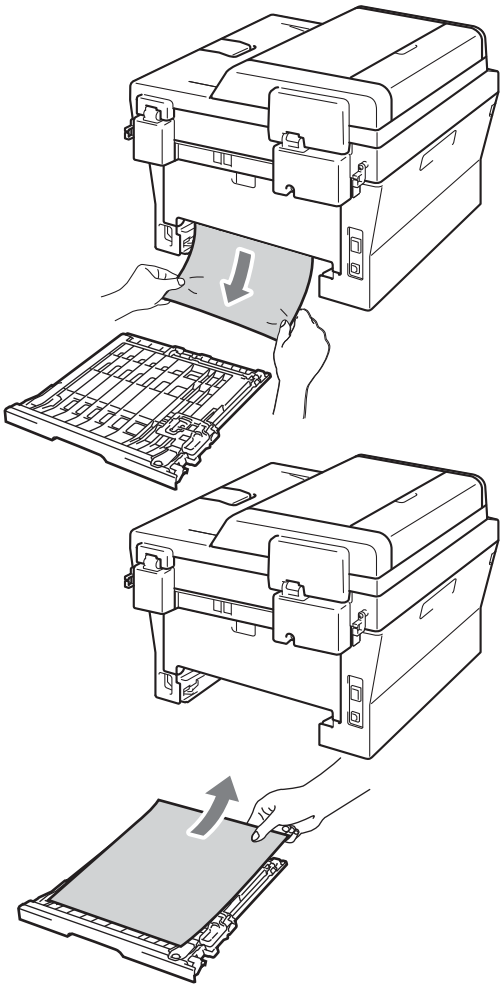




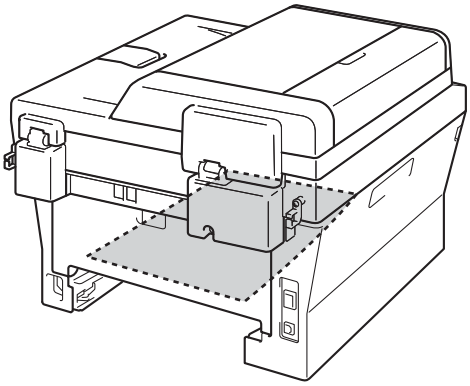
2. Pull the duplex tray completely out of the machine.



3 Pull the jammed paper out of the machine or the duplex tray.



4 Make sure that the jammed paper does not remain under the machine from static electricity.



5 Put the duplex tray back in the machine.

If you are having difficulty with your machine

IMPORTANT

For technical help, you must call the country where you bought the machine. Calls must be made ***from within*** that country.

If you think there is a problem, check the chart below and follow the troubleshooting tips. You can solve most problems by yourself.

If you need additional help, the Brother Solutions Center offers the latest FAQs and troubleshooting tips.

Visit us at http://solutions.brother.com/.

Copy difficulties

Difficulties	Suggestions
Vertical black line appears in copies.	Black vertical lines on copies are typically caused by dirt or correction fluid on the glass strip, or the corona wire is dirty. (See *Cleaning the scanner glass* in *Appendix A* of the *Advanced User's Guide* and *Cleaning the corona wire* on page 34.)
Copies are blank.	Make sure you are loading the document properly. (See *Using the automatic document feeder (ADF) (For DCP-7065DN)* on page 21 or *Using the scanner glass* on page 22.)

Printing difficulties

Difficulties	Suggestions
Poor print quality	See *Improving the print quality* on page 59.

Printing difficulties (continued)

Difficulties	Suggestions
No printout.	■ Check that the machine is plugged in and the power switch is turned on. ■ Check that the toner cartridge and drum unit are installed properly. (See *Replacing the drum unit* on page 36.) ■ Check the interface cable connection on both the machine and your computer. (See the *Quick Setup Guide*.) ■ Check that the correct printer driver has been installed and chosen. ■ Check to see if the LCD is showing an error message. (See *Error and maintenance messages* on page 40.) ■ Check that the machine is online: (Windows® 7 and Windows Server® 2008 R2) Click the **Start** button and **Devices and Printers**. Right-click **Brother MFC-XXXX Printer**. Make sure that **Use Printer Offline** is unchecked. (Windows Vista®) Click the **Start** button, **Control Panel**, **Hardware and Sound**, and then **Printers**. Right-click **Brother MFC-XXXX Printer**. Make sure that **Use Printer Offline** is unchecked. (Windows® XP and Windows Server® 2003/2008) Click the **Start** button and choose **Printers and Faxes**. Right-click **Brother MFC-XXXX Printer**. Make sure that **Use Printer Offline** is unchecked. (Windows® 2000) Click the **Start** button and choose **Settings** and then **Printers**. Right-click **Brother MFC-XXXX Printer**. Make sure that **Use Printer Offline** is unchecked.
The machine prints unexpectedly or it prints garbage.	■ Press **Job Cancel** to cancel print jobs. ■ Check the settings in your application to make sure it is set up to work with your machine. ■ Pull out the paper tray and wait until the machine stops printing. Then turn off the machine's power switch and disconnect from the power for several minutes.
The machine prints the first couple of pages correctly, then some pages have text missing.	■ Check the settings in your application to make sure that it is set up to work with your machine. ■ Your computer is not recognizing the machine's input buffer's full signal. Make sure that you connected the interface cable correctly. (See the *Quick Setup Guide*.)
The headers or footers appear when the document displays on the screen but they do not show up when it is printed.	There is an unprintable area on the top and bottom of the page. Adjust the top and bottom margins in your document to allow for this. (See *Unscannable and unprintable areas* on page 14.)
The machine does not print on both sides of the paper even though the printer driver setting is Duplex.	Check the paper size setting in the printer driver. You need to choose Letter, Legal or Folio [16 to 28 lb (60 to 105 g/m^2)].
The machine is not printing or has stopped printing.	Press **Job Cancel**. As the machine cancels the job and clears it from the memory it may produce an incomplete printout.

Scanning difficulties

Difficulties	Suggestions
TWAIN errors appear while scanning.	Make sure that the Brother TWAIN driver is chosen as the primary source. In PaperPort™ 12SE, click **File**, **Scan or Get Photo** and choose the Brother TWAIN driver.
OCR does not work.	Try increasing the scanning resolution. (Macintosh users) Make sure you have downloaded and installed Presto! PageManager from http://nj.newsoft.com.tw/download/brother/PM9SEInstaller_BR_multilang.dmg
(For DCP-7065DN / HL-2280DW) Network scanning does not work.	See *Network difficulties (For DCP-7065DN / HL-2280DW)* on page 57.

Software difficulties

Difficulties	Suggestions
Cannot install software or print.	Run the **Repair MFL-Pro Suite** program on the CD-ROM. This program will repair and reinstall the software.
Cannot perform ‘2 in 1’ or ‘4 in 1’ printing.	Check that the paper size setting in the application and in the printer driver are the same.
The machine does not print from Adobe® Illustrator®.	Try to reduce the print resolution. (See *Advanced tab* in the *Software User's Guide*.)

Paper handling difficulties

Difficulties	Suggestions
The machine does not feed paper. The LCD shows `No Paper` or a Paper Jam message.	■ If there is no paper, load a new stack of paper into the paper tray. ■ If there is paper in the paper tray, make sure it is straight. If the paper is curled, you should straighten it. Sometimes it is helpful to remove the paper, turn the stack over and put it back into the paper tray. ■ Reduce the amount of paper in the paper tray, and then try again. ■ Make sure that manual feed mode is not chosen in the printer driver. ■ Clean the paper pick-up roller. See *Cleaning the paper pick-up rollers* in *Appendix A* of the *Advanced User's Guide*. ■ If the LCD shows the Paper Jam message and you still have a problem, see *Error and maintenance messages* on page 40.
How do I print on envelopes?	You can load envelopes from the manual feed slot. Your application must be set up to print the envelope size you are using. This is usually done in the Page Setup or Document Setup menu of your application.
What paper can I use?	You can use thin paper, plain paper, thick paper, bond paper, recycled paper, envelopes and labels that are made for laser machines. (For details, see *Acceptable paper and other print media* on page 16.) ■ You can load envelopes from the manual feed slot.
There is a paper jam.	Clear the jammed paper. (See *Document Jams* on page 43.)

Print quality difficulties

Difficulties	Suggestions
Printed pages are curled.	■ Low quality thin or thick paper or not printing on the recommended side of the paper could cause this problem. Try turning over the stack of paper in the paper tray. ■ Make sure that you choose the Paper Type that suits the print media type you are using. (See *Acceptable paper and other print media* on page 16.)
Printed pages are smeared.	The Paper Type setting may be incorrect for the type of print media you are using, or the print media may be too thick or have a rough surface. (See *Acceptable paper and other print media* on page 16 and *Basic tab* in the *Software User's Guide*.)
Printouts are too light.	■ If this problem occurs when making copies or printing turn Toner Save mode to `Off` in the machine menu settings. (See *Toner Save* in *Chapter 1* of the *Advanced User's Guide*) ■ Set Toner Save mode to **Off** in the **Advanced** tab in the printer driver. (See *Advanced tab* in the *Software User's Guide*.)

Network difficulties (For DCP-7065DN / HL-2280DW)

Difficulties	Suggestions
Cannot print over a wired Network.	If you are having Network problems see the *Network User's Guide* for more information. Make sure your machine is powered on, is on-line, and is in Ready mode. Print the Network Configuration list to see your current Network settings. (See *Network Configuration List* in *Chapter 1* of the *Advanced User's Guide*.) Reconnect the LAN cable to the hub to verify that the cable and network connections are good. If possible, try connecting the machine to a different port on your hub using a different cable. You can check the current wired network status from the Network control panel menu.
The network scanning feature does not work.	**(Windows®)** It is necessary to set the third-party Security/Firewall Software to allow Network scanning. To add port 54925 for Network scanning, enter the information below: ■ In Name: Enter any description, for example Brother NetScan. ■ In Port number: Enter 54925. ■ In Protocol: UDP is selected. Please refer to the instruction manual that came with your third-party Security/Firewall Software or contact the software manufacturer. For more details, you can read FAQs and troubleshooting suggestions at http://solutions.brother.com/. **(Macintosh)** ■ The network scanning feature may be unable due to the firewall settings. Change or disable the firewall settings. If you are using a third-party personal Firewall software, see the User's Guide for your software or contact the software manufacturer. ■ Re-select your machine in the **Device Selector** application located in **Macintosh HD**/**Library**/**Printers**/**Brother**/**Utilities**/**Device Selector** or from the model list in **ControlCenter2**.

Network difficulties (For DCP-7065DN / HL-2280DW) (continued)

Difficulties	Suggestions
Your computer cannot find your machine.	**(Windows®)** The firewall setting on your PC may be rejecting the necessary network connection. (For details, see the instructions above.) **(Macintosh)** ■ The computer may be unable to detect the machine due to the firewall settings. Change or disable the firewall settings. If you are using a third-party personal Firewall software, see the User's Guide for your software or contact the software manufacturer. ■ Re-select your machine in the **Device Selector** application located in **Macintosh HD**/**Library**/**Printers**/**Brother**/**Utilities**/**Device Selector** or from the model list in **ControlCenter2**.
Cannot connect to wireless network. (HL-2280DW)	Investigate the problem using the `WLAN Report`. Press **Menu**, press ▲ or ▼ to choose `5.Machine Info.` and press **OK**, press ▲ or ▼ to choose `5.WLAN Report` and press **OK**, and then press **Start**. For more details, see the *Quick Setup Guide*.

Other

Difficulties	Suggestions
The machine will not turn on.	Adverse conditions on the power connection (such as lightning or a power surge) may have triggered the machine's internal safety mechanisms. Turn the machine off and unplug the power cord. Wait for ten minutes, then plug in the power cord and turn the machine on. If the problem is not solved, turn off the machine. Plug the power cord into a different known working outlet and turn on the machine.

Improving the print quality

If you have a print quality problem, make a copy first (put a document on the scanner glass and press **Start**). If the printout looks good, the problem is probably not the machine. Check the interface cable connections or try printing a different document. If the printout or test page printed from the machine has a quality problem, check the following steps first. And then, if you still have a print quality problem, check the chart below and follow the recommendations.

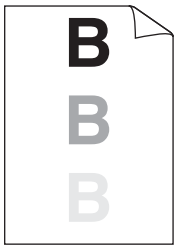
Note

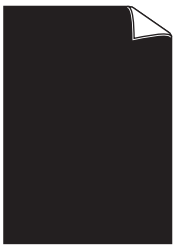
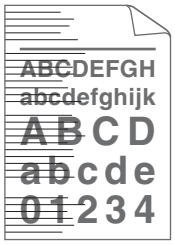
Using non-Brother supplies may affect the print quality, hardware performance, and machine reliability.

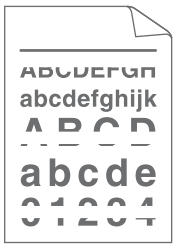
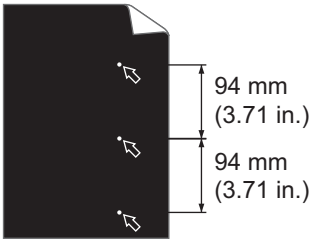
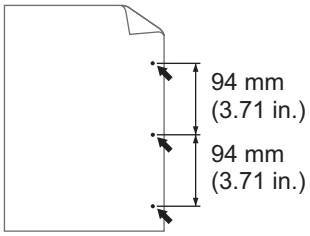
1. To get the best print quality, we suggest using the recommended paper. Check that you use paper that meets our specifications. (See *Acceptable paper and other print media* on page 16.)

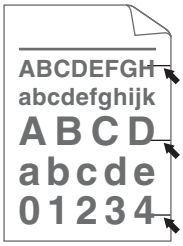
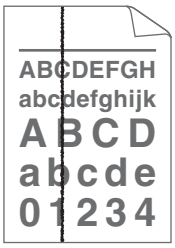
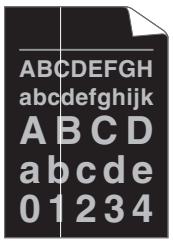
2. Check that the drum unit and toner cartridge assembly is installed properly.

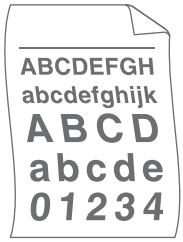
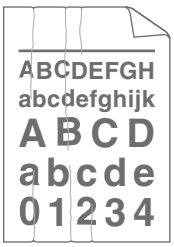
Examples of poor print quality	Recommendation
 Faint	■ Take out the drum unit and toner cartridge assembly. Hold the assembly level with both hands and gently shake it from side to side several times to spread the toner evenly inside the cartridge. ■ Check if the Toner Setting for `Replace Toner` is set to `Continue` (Continue mode). See *Toner settings* in *Chapter 1* of the *Advanced User's Guide*. ■ Check the machine's environment. Conditions such as humidity, high temperatures, and so on, may cause this print fault. See the *Safety and Legal booklet*. ■ If the whole page is too light, Toner Save mode may be on. Turn off `Toner Save` mode in the machine menu settings or **Toner Save** mode in the printer **Properties** of the driver. See *Toner save* in *Chapter 1* of the *Advanced User's Guide* or *Advanced tab* in *Chapter 2* of the *Software User's Guide*. ■ Clean the corona wire of the drum unit. See *Cleaning the corona wire* on page 34. ■ Put in a new toner cartridge. See *Replacing the toner cartridge* on page 29. ■ Put in a new drum unit. See *Replacing the drum unit* on page 35.

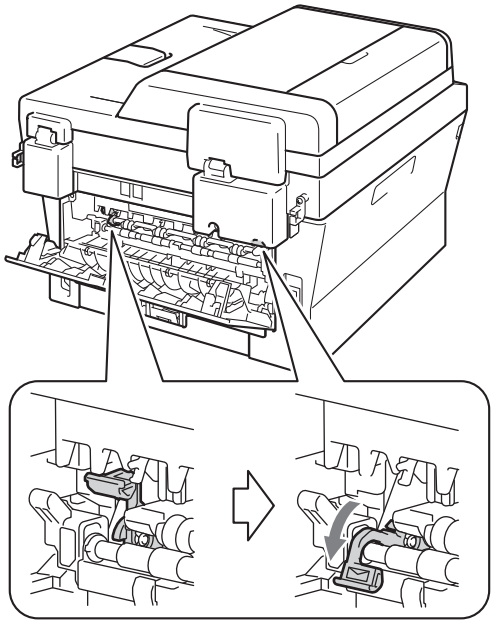
Examples of poor print quality	Recommendation
 Gray background	■ Make sure that you use paper that meets our specifications. See *Acceptable paper and other print media* on page 16. ■ Check the machine's environment. Conditions such as high temperatures and high humidity can increase the amount of background shading. See the *Safety and Legal booklet*. ■ Put in a new toner cartridge. See *Replacing the toner cartridge* on page 29. ■ Put in a new drum unit. See *Replacing the drum unit* on page 35.
 **Ghost**	■ Make sure that you use paper that meets our specifications. Rough-surfaced paper or thick print media may cause this problem. See *Acceptable paper and other print media* on page 16. ■ Make sure that you choose the proper media type in the printer driver or in the machine's Paper Type menu setting. See *Acceptable paper and other print media* on page 16 and *Basic tab* in *Chapter 2* of the *Software User's Guide*. ■ Choose **Reduce Ghosting** mode in the printer driver. See *Ghost Reduction Setting* in *Chapter 2* (for Windows®) or *Chapter 8* (for Macintosh) of the *Software User's Guide*. ■ Put in a new toner cartridge. See *Replacing the toner cartridge* on page 29 ■ Put in a new drum unit. See *Replacing the drum unit* on page 35. ■ The fuser unit may be contaminated. Call Brother Customer Service.
 Toner specks	■ Make sure that you use paper that meets our specifications. Rough-surfaced paper may cause the problem. See *Acceptable paper and other print media* on page 16. ■ Clean the corona wire and the drum unit. See *Cleaning the corona wire* on page 34 and *Cleaning the drum unit* in *Appendix A* of the *Advanced User's Guide*. ■ The drum unit may be damaged. Put in a new drum unit. See *Replacing the drum unit* on page 35. ■ The fuser unit may be contaminated. Call Brother Customer Service.

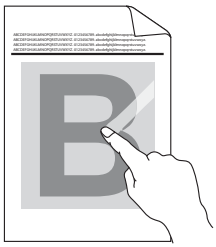
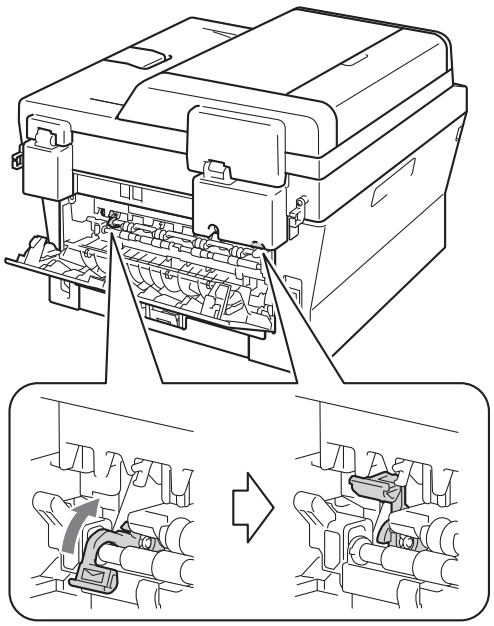
Examples of poor print quality	Recommendation
 Hollow print	■ Make sure that you use paper that meets our specifications. See *Acceptable paper and other print media* on page 16. ■ Choose **Thick Paper** mode in the printer driver, choose `Thick` in the machine's Paper Type menu setting or use thinner paper than you are currently using. See *Paper Type* on page 15 and *Basic tab* in the *Software User's Guide*. ■ Check the machine's environment. Conditions such as high humidity can cause hollow print. See the *Safety and Legal booklet*. ■ The drum unit may be damaged. Put in a new drum unit. See *Replacing the drum unit* on page 35.
 **All black**	■ Clean the corona wire inside the drum unit by sliding the green tab from left to right and right to left several times. Be sure to return the green tab to the home position (▲). See *Cleaning the corona wire* on page 34. ■ The drum unit may be damaged. Put in a new drum unit. See *Replacing the drum unit* on page 35. ■ The fuser unit may be contaminated. Call Brother Customer Service.
 White lines across the page	■ Make sure that you use paper that meets our specifications. A rough surfaced paper or thick print media can cause problems. ■ Make sure that you choose the appropriate media type in the printer driver or in the machine's Paper Type menu setting. See *Acceptable paper and other print media* on page 16 and *Basic tab* in the *Software User's Guide*. ■ The problem may disappear by itself. Print multiple pages to clear this problem, especially if the machine has not been used for a long time. ■ The drum unit may be damaged. Put in a new drum unit. See *Replacing the drum unit* on page 35.
 **Lines across the page**	■ Clean the corona wire of the drum unit. See *Cleaning the corona wire* on page 34. ■ The drum unit may be damaged. Put in a new drum unit. See *Replacing the drum unit* on page 35.

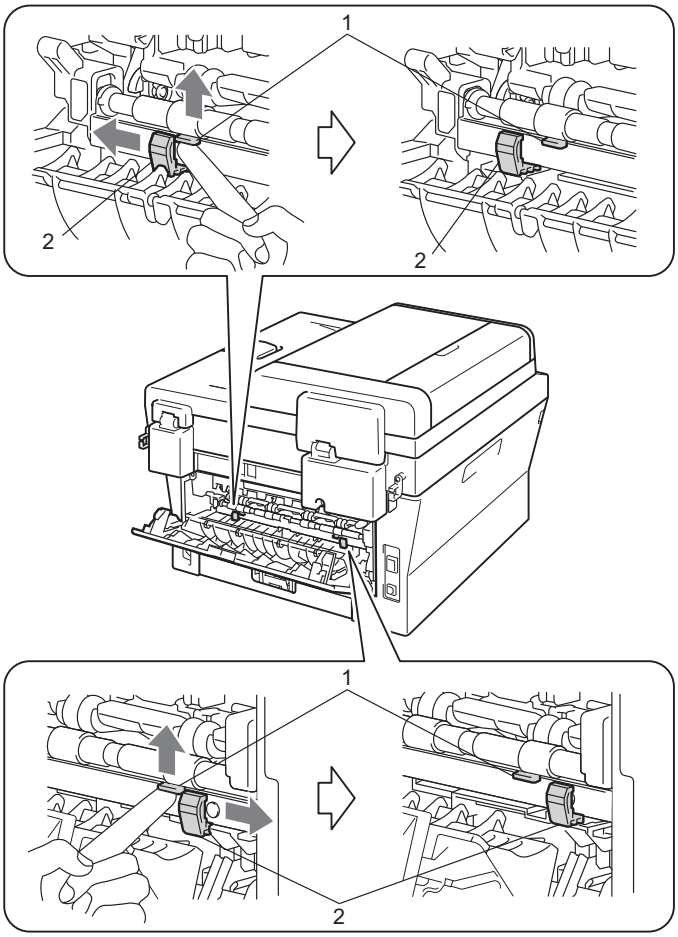
Examples of poor print quality	Recommendation
 **White lines, bands or ribbing across the page**	■ Check the machine's environment. Conditions such as high humidity and high temperatures may cause this print quality problem. ■ If the problem is not solved after printing a few pages, put in a new drum unit. (See *Replacing the drum unit* on page 35.)
 White Spots on black text and graphics at 94 mm (3.71 in.) intervals  Black Spots at 94 mm (3.71 in.) intervals	■ Make ten copies of a blank, white sheet of paper. See *How to copy* on page 24. If the problem is not solved, the drum unit may have glue from a label stuck on the OPC drum surface. Clean the drum unit. See *Cleaning the drum unit* in *Appendix A* of the *Advanced User's Guide*. ■ The drum unit may be damaged. Put in a new drum unit. See *Replacing the drum unit* on page 35.

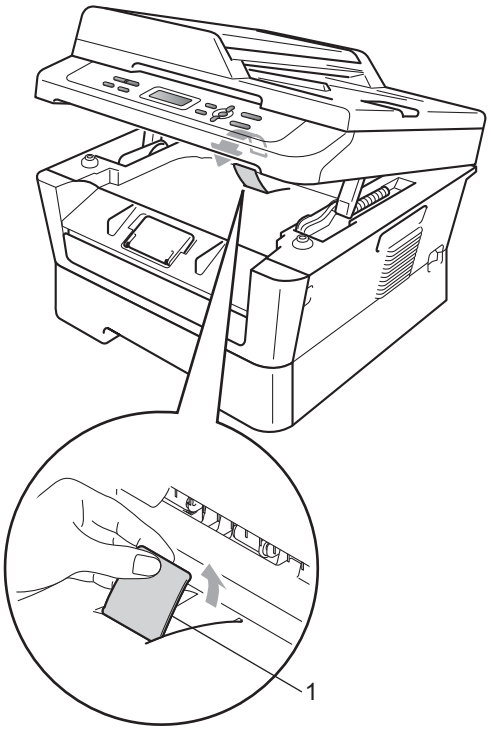
Examples of poor print quality	Recommendation
 **Black toner marks across the page**	■ Make sure that you use paper that meets our specifications. See *Acceptable paper and other print media* on page 16. ■ If you use label sheets for laser printers, the glue from the sheets may sometimes stick to the OPC drum surface. Clean the drum unit. See *Cleaning the drum unit* in *Appendix A* of the *Advanced User's Guide.* ■ Do not use paper that has clips or staples because they will scratch the surface of the drum. ■ If the unpacked drum unit is in direct sunlight or room light, the unit may be damaged. ■ The toner cartridge may be damaged. Put in a new toner cartridge. See *Replacing the toner cartridge* on page 29. ■ The drum unit may be damaged. Put in a new drum unit. See *Replacing the drum unit* on page 35.
 **Black lines down the page** Printed pages have toner stains down the page.	■ Clean the corona wire inside the drum unit by sliding the green tab. See *Cleaning the corona wire* on page 34. ■ Make sure the green tab of the corona wire is at the home position (▲). ■ The drum unit may be damaged. Put in a new drum unit. See *Replacing the drum unit* on page 35. ■ The toner cartridge may be damaged. Put in a new toner cartridge. See *Replacing the toner cartridge* on page 29. ■ The fuser unit may be contaminated. Call Brother Customer Service.
 **White lines down the page**	■ The toner cartridge may be damaged. Put in a new toner cartridge. See *Replacing the toner cartridge* on page 29. ■ The drum unit may be damaged. Put in a new drum unit. See *Replacing the drum unit* on page 35. ■ Check if the Toner Setting for `Replace Toner` is set to `Continue` (Continue mode). See *Toner settings* in *Chapter 1* of the *Advanced User's Guide*. ■ Make sure that a torn piece of paper is not stuck inside the machine blocking the scanner.

Examples of poor print quality	Recommendation
 Page skewed	■ Make sure that the paper or other print media is loaded properly in the paper tray and that the guides are not too tight or too loose against the paper stack. ■ Set the paper guides correctly. See *Loading paper* on page 8. ■ If you are using the manual feed slot, see *Loading paper in the manual feed slot* on page 10. ■ The paper tray may be too full. See *Loading paper* on page 8. ■ Check the paper type and quality. See *Acceptable paper and other print media* on page 16. ■ Check for loose objects such as torn paper inside the machine. ■ Verify that the two green envelope levers inside the back cover are set to the same position. ■ Verify that the two gray Anti-Curl Levers inside the back cover are set to the same position. ■ If the problem only occurs during duplex printing, check for torn paper in the duplex tray, verify that the duplex tray is inserted completely, and verify that the back cover is closed completely.
 **Curled or wavy**	■ Check the paper type and quality. High temperatures and high humidity will cause paper to curl. See *Acceptable paper and other print media* on page 16. ■ If you do not use the machine often, the paper may have been in the paper tray too long. Turn over the stack of paper in the paper tray. Also, fan the paper stack and then rotate the paper 180° in the paper tray. ■ Open the back cover (*face-up* output tray) for the machine to eject printed pages onto the *face-up* output tray. ■ Choose **Reduce Paper Curl** mode in the printer driver when you do not use our recommended paper. See *Other Print Options* (for Windows®) or *Print Settings* (For Macintosh) in the *Software User's Guide*.
 **Wrinkles or creases**	■ Make sure that the paper is loaded properly. See *Loading paper* on page 8. ■ Check the paper type and quality. See *Acceptable paper and other print media* on page 16. ■ Turn over the stack of paper in the tray or try rotating the paper 180° in the input tray.

Examples of poor print quality	Recommendation
 Envelope creases	■ Make sure that the two green envelope levers inside the back cover are pulled down when you print the envelope.  **Note** When you have finished printing, open the back cover and reset the two green levers back to their original position.

Examples of poor print quality	Recommendation
 **Poor fixing**	■ Open the back cover and make sure that the two green envelope levers on the left and right hand sides are in the up position.  ■ Choose **Improve Toner Fixing** mode in the printer driver. See *Other Print Options* (for Windows®) or *Print Settings* (For Macintosh) in the *Software User's Guide*. If this selection does not provide enough improvement, select **Thicker Paper** in **Media Type** settings.

Examples of poor print quality	Recommendation
 Curled	■ Choose **Reduce Paper Curl** mode in the printer driver when you do not use our recommended paper. See *Other Print Options* (for Windows®) or *Print Settings* (For Macintosh) in the *Software User's Guide*. ■ Turn the paper over in the paper tray, and print again. (Excluding letterhead paper) If the problems remains, switch the Anti-Curl Levers as follows: 1 Open the back cover. 2 Lift the lever (1) and slide the two gray levers (2) in the direction of the arrow. 

Examples of poor print quality	Recommendation
 Curled	■ Lift up the output tray support flap (1). 

Machine Information

Checking the Serial Number

You can see the machine's Serial Number on the LCD.

1. Press **Menu**.
2. (For DCP-7060D)
   Press ▲ or ▼ to choose `3.Machine Info.`.
   Press **OK**.

   (For DCP-7065DN)
   Press ▲ or ▼ to choose `4.Machine Info.`.
   Press **OK**.

   (For HL-2280DW)
   Press ▲ or ▼ to choose `5.Machine Info.`.
   Press **OK**.
3. Press ▲ or ▼ to choose `1.Serial No.`.
   Press **OK**.

   ```
   Machine Info.
   1.Serial No.
   ```
4. Press **Stop/Exit**.

Reset functions

The following reset functions are available:

1 (For DCP-7065DN / HL-2280DW)
`Network`

You can reset the internal print server back to its default factory settings such as the password and IP address information.

2 `All Settings`

You can reset all the machine's settings back to its default factory settings.

Brother strongly recommends you perform this operation when you dispose of the machine.

Note

Unplug the interface cable before you choose `Network` or `All Settings`.

How to reset the machine

1. Press **Menu**.
2. Press ▲ or ▼ to choose `1.General Setup`.
   Press **OK**.
3. Press ▲ or ▼ to choose `5.Reset`.
   Press **OK**.
4. Press ▲ or ▼ to choose the type of reset function you want to use.
   Press **OK**.
5. Do one of the following:
   - To reset the settings, press ▲ to choose `Reset`. Then go to step 6.
   - To exit without making changes, press ▼ to choose `Exit`.
     Then go to step 7.
6. You will be asked if you want to reboot the machine. Do one of the following:
   - To reboot the machine, press ▲ to choose `Yes`.
     The machine will begin the reset.
   - To exit without rebooting, press ▼ to choose `No`.
     Then go to step 7.
7. Press **Stop/Exit**.

C Menu and features

On-screen programming

Your machine has been designed to be easy to use. The LCD provides on-screen programming using the menu keys.

We have created step by step on-screen instructions to help you program your machine. Simply follow the steps as they guide you through the menu selections and programming options.

Menu table

You can program your machine by using the *Menu table* on page 72. These pages list the menu selections and options. Press **Menu** and then press ▲ or ▼ to access the menus and program your machine. For example, to set Copy `Quality` to `Photo` Quality

1. Press **Menu**.
2. Press ▲ or ▼ to choose `2.Copy`. Press **OK**.
3. Press ▲ or ▼ to choose `1.Quality`. Press **OK**.
4. Press ▲ or ▼ to choose `Photo`. Press **OK**.
5. Press **Stop/Exit**.

Menu keys

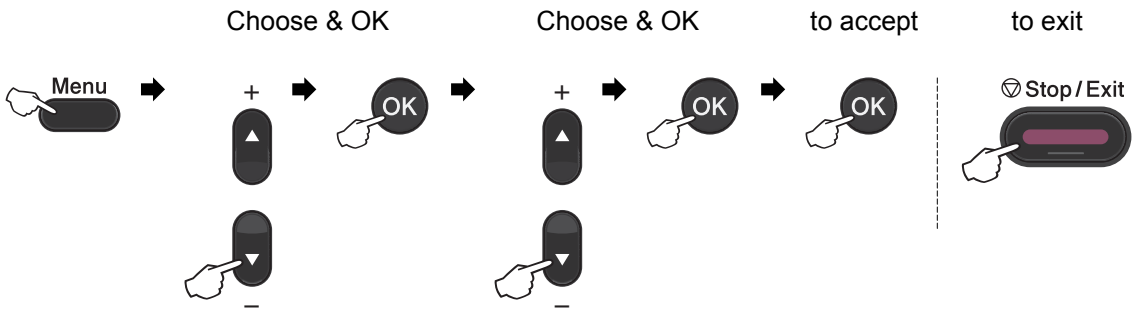
Menu	Access the menu.
OK	Go to the next menu level. Accept an option.
Clear	Exit the menu by pressing repeatedly. Go back to the previous menu level.
▲ ▼	Scroll through the current menu level.
Stop / Exit	Exit the menu.

How to access the menu mode

1. Press **Menu**.
2. Choose an option. You can scroll through each menu level by pressing ▲ or ▼ for the direction you want.
3. Press **OK** when the option you want appears on the LCD.
   The LCD will then show the next menu level.
4. Press ▲ or ▼ to scroll to your next menu selection.
5. Press **OK**.
   When you have finished setting an option, the LCD will show `Accepted`.
6. Press **Stop/Exit** to exit Menu mode.

Menu table

The factory settings are shown in Bold with an asterisk.



Level 1	Level 2	Level 3	Level 4	Options	Descriptions	Page
1.General Setup	1.Paper	1.Paper Type	—	Thin **Plain*** Thick Thicker Recycled Paper Label	Sets the type of paper in the paper tray.	15
		2.Paper Size	—	A4 **Letter*** Legal Executive A5 A5 L A6 B5 B6 Folio	Sets the size of the paper in the paper tray.	15
	2.Ecology	1.Toner Save	—	On **Off***	Increases the page yield of the toner cartridge.	See [1].

[1] See *Advanced User's Guide*.

[2] See *Quick Setup Guide*.

The factory settings are shown in Bold with an asterisk.

Level 1	Level 2	Level 3	Level 4	Options	Descriptions	Page
1.General Setup (Continued)	**2.Ecology** (Continued)	**2.Sleep Time**	—	Range varies depending on models. **003Min***	Conserves power.	See [1].
	3.LCD Contrast	—	—	-□□□□■+ -□□□■□+ **-□□■□□+*** -□■□□□+ -■□□□□+	Adjusts the contrast of the LCD.	
	4.Replace Toner	—	—	Continue **Stop***	The machine will stop printing until you replace the toner cartridge.	
	5.Reset (For DCP-7060D)	**1.All Settings**	—	▲ **Reset** ▼ **Exit**	Restores the machine's settings to the original factory default settings.	69
	5.Reset (For DCP-7065DN and HL-2280DW)	**1.Network**	—	▲ **Reset** ▼ **Exit**	Restores the machine's network settings to the original factory default settings.	
		2.All Settings	—	▲ **Reset** ▼ **Exit**	Restores all the machine's settings to the original factory default settings.	
	0.Local Language	—	(Choose your language)	—	Allows you to change the LCD language for your country.	See [2].

[1] See *Advanced User's Guide*.

[2] See *Quick Setup Guide*.

The factory settings are shown in Bold with an asterisk.

Level 1	Level 2	Level 3	Options	Descriptions	Page
2.Copy	**1.Quality**	—	**Auto*** Text Photo Graph	You can choose the Copy resolution for your type of document.	See [1].

[1] See *Advanced User's Guide*.

The factory settings are shown in Bold with an asterisk.

C

Level 1	Level 2	Level 3	Options	Descriptions	Page
2.Copy (Continued)	**2.Brightness**	—	-□□□□■+ -□□□■□+ **-□□■□□+*** -□■□□□+ -■□□□□+	Adjust the brightness for copies.	See [1].
	3.Contrast	—	-□□□□■+ -□□□■□+ **-□□■□□+*** -□■□□□+ -■□□□□+	Adjusts the contrast for copies.	
	[1] See *Advanced User's Guide*.				
	The factory settings are shown in Bold with an asterisk.				

Level 1	Level 2	Level 3	Options	Descriptions	Page
3.Printer (For HL-2280DW)	**1.Print Options**	**1.Internal Font**	—	Prints a list of the machine's internal fonts.	See [2].
		2.Configuration	—	Prints a list of the machine's printer settings.	
		3.Test Print	—	Prints a test page.	
	2.Duplex	—	**Off*** On(Long Edge) On(Short Edge)	Enables or disables duplex printing. You can also choose long edge or short edge duplex printing.	
	3.Reset Printer	—	▲ **Reset** ▼ **Exit**	Restores the printer settings to the original factory default settings.	
	[1] See *Advanced User's Guide*. [2] See *Software User's Guide*.				
	The factory settings are shown in Bold with an asterisk.				

Level 1	Level 2	Level 3	Level 4	Options	Descriptions
3.Network (For DCP-7065DN)	**1.TCP/IP**	**1.Boot Method**	—	**Auto*** Static RARP BOOTP DHCP	Chooses the Boot method that best suits your needs.
		2.IP Address	—	[000-255].[000-255].[000-255].[000-255]	Enter the IP address.
		3.Subnet Mask	—	[000-255].[000-255].[000-255].[000-255]	Enter the Subnet mask.
		4.Gateway	—	[000-255].[000-255].[000-255].[000-255]	Enter the Gateway address.
		5.Node Name	—	BRNXXXXXXXXXXXX	Enter the Node name.
		6.WINS Config	—	**Auto*** Static	Chooses the WINS configuration mode.
	See *Network User's Guide*.				
	The factory settings are shown in Bold with an asterisk.				

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Level 1	Level 2	Level 3	Level 4	Options	Descriptions
3.Network (For DCP-7065DN) (Continued)	**1.TCP/IP** (Continued)	**7.WINS Server**	—	Primary [000-255]. [000-255]. [000-255]. [000-255] Secondary [000-255]. [000-255]. [000-255]. [000-255]	Specifies the IP address of the primary or secondary WINS server.
		8.DNS Server	—	Primary [000-255]. [000-255]. [000-255]. [000-255] Secondary [000-255]. [000-255]. [000-255]. [000-255]	Specifies the IP address of the primary or secondary DNS server.
		9.APIPA	—	**On*** Off	Automatically allocates the IP address from the link-local address range.
		0.IPv6	—	On **Off***	Enable or Disable the IPv6 protocol. If you want to use the IPv6 protocol, visit http://solutions.brother.com/ for more information.
	2.Ethernet	—	—	**Auto*** 100B-FD 100B-HD 10B-FD 10B-HD	Chooses the Ethernet link mode.
	3.Status	—	—	Active 100B-FD Active 100B-HD Active 10B-FD Active 10B-HD Inactive Wired OFF	Shows the Ethernet link status.
	4.MAC Address	—	—	—	Shows the MAC address of the machine.
	0.Network Reset	—	▲ **Reset** ▼ **Exit**	Reboot OK? ▲ Yes ▼ No	Restore all network settings to factory default.
	See *Network User's Guide*.				
	The factory settings are shown in Bold with an asterisk.				

Level 1	Level 2	Level 3	Level 4	Options	Descriptions
4.Network (For HL-2280DW)	**1.Wired LAN**	**1.TCP/IP**	**1.Boot Method**	**Auto*** Static RARP BOOTP DHCP	Chooses the Boot method that best suits your needs.
			2.IP Address	[000-255].[000-255].[000-255].[000-255]	Enter the IP address.
			3.Subnet Mask	[000-255].[000-255].[000-255].[000-255]	Enter the Subnet mask.
			4.Gateway	[000-255].[000-255].[000-255].[000-255]	Enter the Gateway address.
			5.Node Name	BRNXXXXXXXXXXXX	Enter the Node name.
			6.WINS Config	**Auto*** Static	Chooses the WINS configuration mode.
			7.WINS Server	Primary [000-255].[000-255].[000-255].[000-255] Secondary [000-255].[000-255].[000-255].[000-255]	Specifies the IP address of the primary or secondary WINS server.
			8.DNS Server	Primary [000-255].[000-255].[000-255].[000-255] Secondary [000-255].[000-255].[000-255].[000-255]	Specifies the IP address of the primary or secondary DNS server.
			9.APIPA	**On*** Off	Automatically allocates the IP address from the link-local address range.
			0.IPv6	On **Off***	Enable or Disable the IPv6 protocol. If you want to use the IPv6 protocol, visit http://solutions.brother.com/ for more information.
	See *Network User's Guide*.				
	The factory settings are shown in Bold with an asterisk.				

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Level 1	Level 2	Level 3	Level 4	Options	Descriptions
4.Network (For HL-2280DW) (Continued)	**1.Wired LAN** (Continued)	**2.Ethernet**	—	**Auto*** 100B-FD 100B-HD 10B-FD 10B-HD	Chooses the Ethernet link mode.
		3.Wired Status	—	Active 100B-FD Active 100B-HD Active 10B-FD Active 10B-HD Inactive Wired OFF	You can see the current wired status.
		4.MAC Address	—	—	Shows the MAC address of the machine.
		5.Set to Default	—	▲ **Reset** ▼ **Exit**	Restore the wired network setting to factory default.
		6.Wired Enable	—	**On*** Off	Enable or Disable the Wired LAN manually.
	2.WLAN	**1.TCP/IP**	**1.Boot Method**	**Auto*** Static RARP BOOTP DHCP	Chooses the Boot method that best suits your needs.
			2.IP Address	[000-255]. [000-255]. [000-255]. [000-255]	Enter the IP address.
			3.Subnet Mask	[000-255]. [000-255]. [000-255]. [000-255]	Enter the Subnet mask.
			4.Gateway	[000-255]. [000-255]. [000-255]. [000-255]	Enter the Gateway address.
			5.Node Name	BRWXXXXXXXXXXXX	Enter the Node name.
			6.WINS Config	**Auto*** Static	Chooses the WINS configuration mode.
	See *Network User's Guide*.				
	The factory settings are shown in Bold with an asterisk.				

Level 1	Level 2	Level 3	Level 4	Options	Descriptions
4.Network (For HL-2280DW) (Continued)	**2.WLAN** (Continued)	**1.TCP/IP** (Continued)	**7.WINS Server**	Primary [000-255]. [000-255]. [000-255]. [000-255] Secondary [000-255]. [000-255]. [000-255]. [000-255]	Specifies the IP address of the primary or secondary WINS server.
			8.DNS Server	Primary [000-255]. [000-255]. [000-255]. [000-255] Secondary [000-255]. [000-255]. [000-255]. [000-255]	Specifies the IP address of the primary or secondary DNS server.
			9.APIPA	**On*** Off	Automatically allocates the IP address from the link-local address range.
			0.IPv6	On **Off***	Enable or Disable the IPv6 protocol. If you want to use the IPv6 protocol, visit http://solutions.brother.com/ for more information.
		2.Setup Wizard	—	—	You can configure your print server.
		3.WPS/AOSS	—	—	You can easily configure your wireless network settings using the one-button push method.
		4.WPS w/PIN Code	—	—	You can easily configure your wireless network settings using WPS with a PIN code.
	See *Network User's Guide*.				
	The factory settings are shown in Bold with an asterisk.				

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Level 1	Level 2	Level 3	Level 4	Options	Descriptions
4.Network (For HL-2280DW) (Continued)	**2.WLAN** (Continued)	**5.WLAN Status**	**1.Status**	Active(11b) Active(11g) Wired LAN Active WLAN OFF AOSS Active Connection Fail	You can see the current wireless network status.
			2.Signal	Strong Medium Weak None	You can see the current wireless network signal strength.
			3.SSID	—	You can see the current SSID.
			4.Comm. Mode	Ad-hoc Infrastructure	You can see the current Communication Mode.
		6.MAC Address	—	—	Shows the MAC address of the machine.
		7.Set to Default	—	▲ **Reset** ▼ **Exit**	Restore the wireless network settings to factory default.
		8.WLAN Enable	—	1.On **2.Off***	Enable or disable the wireless LAN manually.
	0.Network Reset	—	▲ **Reset** ▼ **Exit**	Reboot OK? ▲ Yes ▼ No	Restores all network settings to factory default.
	See *Network User's Guide*.				
	The factory settings are shown in Bold with an asterisk.				

Level 1	Level 2	Level 3	Options	Descriptions	Page
3.Machine Info. (For DCP-7060D) **4.Machine Info.** (For DCP-7065DN) **5.Machine Info.** (For HL-2280DW)	**1.Serial No.**	—	—	You can check the serial number of your machine.	69
	2.Page Counter	—	Total List Copy Print	You can check the number of total pages the machine has printed during its life.	See [1].
	3.User Settings	—	—		
	4.Network Config (For DCP-7065DN and HL-2280DW)	—	—		
	5.WLAN Report (For HL-2280DW)	—	—		
	4.Drum Life (For DCP-7060D) **5.Drum Life** (For DCP-7065DN) **6.Drum Life** (For HL-2280DW)	—	—	You can check the percentage of a Drum life that remains available.	

[1] See *Advanced User's Guide*.

The factory settings are shown in Bold with an asterisk.

C

D Specifications

General

Note

This chapter provides a summary of the machines' specifications. For additional specifications visit http://www.brother.com/ for details.

Printer Type	Laser	
Print Method	Electrophotography by semiconductor laser beam scanning	
Memory Capacity	32 MB	
LCD (liquid crystal display)	16 characters × 2 lines	
Power Source	110 - 120 V AC 50/60 Hz	
Power Consumption [1]	Peak:	1080 W
	Copying: [2]	Approx. 445 W at 25 °C (77 °F)
	Ready:	Approx. 55 W at 25 °C (77 °F)
	For Wireless models	
	(WLAN: On) Sleep:	Approx. 2.8 W
	(WLAN: Off) Deep Sleep:	Approx. 1.0 W
	For non-Wireless models	
	Deep Sleep:	Approx. 0.9 W

Note

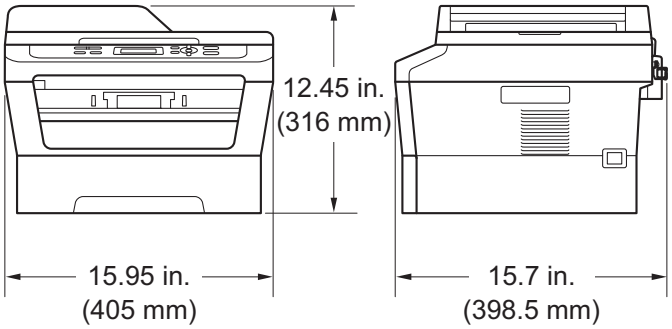
All figures stated above (except Peak) are average figures.

1 USB connected to PC

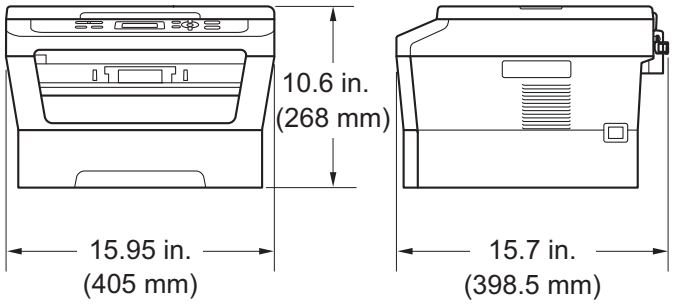
2 When making a copy from one sheet

Dimensions

DCP-7065DN



DCP-7060D/HL-2280DW



Weight

With Consumables: (For DCP-7060D) 10.1 kg (22.3 lb)
(For DCP-7065DN) 11.4 kg (25.1 lb)
(For HL-2280DW) 10.3 kg (22.7 lb)

Noise level

Sound power

Operating: (For DCP-7060D) LWAd = 6.74 B (A)
/ (For DCP-7065DN / HL-2280DW)
LWAd = 6.81 B (A)

Standby: LWAd = 4.3 B (A)

Sound pressure

Operating (Printing): LPAm = 53 dB (A)

Standby: LPAm = 30 dB (A)

D

Temperature	Operating:	50 °F to 90.5 °F (10 to 32.5 °C)
	Storage:	32 °F to 104 °F (0 to 40 °C)
Humidity	Operating:	20 to 80% (without condensation)
	Storage:	10 to 90% (without condensation)
ADF (automatic document feeder) (For DCP-7065DN)	Up to 35 pages (Staggered) 20 lb (80 g/m^2)	

Document Size

Document Size (Single-sided)	ADF Width: (For DCP-7065DN)	5.8 to 8.5 in. (147.3 to 215.9 mm)
	ADF Length: (For DCP-7065DN)	5.8 to 14 in. (147.3 to 355.6 mm)
	Scanner Glass Width:	Max. 8.5 in. (215.9 mm)
	Scanner Glass Length:	Max. 11.7 in. (297 mm)

Print media

Paper Input	**Paper Tray**	
	■ Paper Type:	Plain Paper, Thin Paper or Recycled Paper
	■ Paper Size:	Letter, A4, B5 (ISO/JIS), A5, A5 (Long Edge), B6 (ISO), A6, Executive, Legal [3] and Folio [3]
	■ Paper Weight:	16 to 28 lb (60 to 105 g/m^2)
	■ Maximum Paper Tray Capacity:	Up to 250 sheets of 20 lb (80 g/m^2) Plain Paper
	Manual Feed Slot (Manual)	
	■ Paper Type:	Envelope, Labels [1], Thin Paper, Thick Paper, Thicker Paper, Recycled Paper, Bond Paper or Plain Paper
	■ Paper Size:	Width: 3.0 to 8.5 in. (76.2 to 216 mm) Length: 4.6 to 16 in. (116.0 to 406.4 mm)
	■ Paper Weight:	16 to 43 lb (60 to 163 g/m^2) [2]
	■ Maximum Paper Tray Capacity:	One sheet at a time 20 lb (80 g/m^2) Plain Paper
Paper Output	**Face-Down Output Tray**	Up to 100 sheets (*face down* print delivery to the *Face down* output paper tray)
	Face-Up Output Tray	One sheet (*face up* print delivery to the *Face up* output paper tray)
Duplex Printing	■ Paper Size (Automatic Duplex):	Letter, Legal and Folio
	■ Paper Weight (Automatic Duplex):	16 to 28 lb (60 to 105 g/m^2)
	■ Paper Type (Automatic Duplex):	Plain Paper or Recycled Paper

1 For labels, we recommend removing printed pages from the output paper tray immediately after they exit the machine to avoid the possibility of smudging.

2 16 to 28 lb (60 to 105 g/m^2) for duplex print.

3 Legal or Folio size paper is not available in some regions outside the USA and Canada.

Copy

Color/Monochrome	Monochrome
Copy Width	Max. 8.3 in. (210 mm)
Multiple Copies	Stacks or Sorts up to 99 pages
Reduce/Enlarge	25% to 400% (in increments of 1%)
Resolution	Up to 600 × 600 dpi
First Copy Out Time	Less than 11 seconds (from Ready mode and standard tray)
Ready	At 25°C (77°F)

Scanner

Color/Mono	Yes/Yes
TWAIN Compliant	Yes (Windows® 2000 Professional/Windows® XP/ Windows® XP Professional x64 Edition/Windows Vista®/ Windows® 7)
	Mac OS X 10.4.11, 10.5.x, 10.6.x [1]
WIA Compliant	Yes (Windows® XP/Windows Vista®/Windows® 7)
Color Depth	48 bit internal / 24 bit external color
Resolution	Up to 19200 × 19200 dpi (interpolated) [2]
	Up to 600 × 2400 dpi (optical) (from Scanner Glass)
	Up to 600 × 600 dpi (optical) (from ADF (For DCP-7065DN))
Scanning Width	Max. 8.27 in. (210 mm)
Gray Scale	256 levels

1 For the latest driver updates for the Mac OS X you are using, visit us at http://solutions.brother.com/.

2 Maximum 1200 × 1200 dpi scanning with the WIA driver in Windows® XP, Windows Vista® and Windows® 7 (resolution up to 19200 × 19200 dpi can be chosen by using the scanner utility)

Printer

Automatic 2-sided (Duplex) Print	Yes
Emulations (For HL-2280DW)	PCL6
Resolution	600 dpi × 600 dpi, HQ1200 (2400 × 600 dpi) quality
Print Speed (Duplex)	Up to 5 pages/minute (Letter size) [1]
Print Speed	(For DCP-7060D) Up to 24 pages/minute (Letter size) [1] (For DCP-7065DN and HL-2280DW) Up to 27 pages/minute (Letter size) [1]
First Print Out Time	Less than 8.5 seconds (from Ready mode and standard tray)

[1] The print speed may vary depending on the type of document you print.

Interfaces

USB	We recommend using a USB cable (Type A/B) that is no longer than 6 feet (2 meters) long. [1] [2]
Ethernet [3] (DCP-7065DN / HL-2280DW)	Use an Ethernet UTP cable category 5 or greater.
Wireless LAN (HL-2280DW)	IEEE 802.11 b/g (Infrastructure / Ad-hoc Mode)

1 Your machine has a Hi-Speed USB 2.0 interface. The machine can also be connected to a computer that has a USB 1.1 interface.

2 Third-party USB ports are not supported.

3 See *Network (LAN) (DCP-7065DN / HL-2280DW)* on page 93 and the Network User's Guide for detailed network specifications.

Computer requirements

Minimum System Requirements and Supported PC Software Functions								
Computer Platform & Operating System Version		**Processor Minimum Speed**	**Minimum RAM**	**Recommended RAM**	**Hard Disk Space to install**		**Supported PC Software Functions**	**Supported PC Interface [3]**
					For Drivers	**For Applications**		
Windows® Operating System [1]	Windows® 2000 Professional [4]	Intel® Pentium® II or equivalent	64 MB	256 MB	150 MB	500 MB	Printing, Scanning	USB, 10/100 Base Tx (Ethernet), Wireless 802.11 b/g
	Windows® XP Home [2 5] Windows® XP Professional [2 5]		128 MB					
	Windows® XP Professional x64 Edition [2 5]	64-bit (Intel®64 or AMD64) supported CPU	256 MB	512 MB				
	Windows Vista® [2 5]	Intel® Pentium® 4 or equivalent 64-bit (Intel®64 or AMD64) supported CPU	512 MB	1 GB	500 MB	1.2 GB		
	Windows® 7 [2 5]	Intel® Pentium® 4 or equivalent 64-bit (Intel®64 or AMD64) supported CPU	1 GB (32-bit) 2 GB (64-bit)	1 GB (32-bit) 2 GB (64-bit)	650 MB			

Minimum System Requirements and Supported PC Software Functions								
Computer Platform & Operating System Version		**Processor Minimum Speed**	**Minimum RAM**	**Recommended RAM**	**Hard Disk Space to install**		**Supported PC Software Functions**	**Supported PC Interface** [3]
					For Drivers	**For Applications**		
	Windows Server® 2003 (print only via network)	Intel® Pentium® III or equivalent	256 MB	512 MB	50 MB	N/A	Printing	10/100 Base Tx (Ethernet), Wireless 802.11 b/g
	Windows Server® 2003 x64 Edition (print only via network)	64-bit (Intel®64 or AMD64) supported CPU						
	Windows Server® 2008 (print only via network)	Intel® Pentium® 4 or equivalent 64-bit (Intel®64 or AMD64) supported CPU	512 MB	2 GB				
	Windows Server® 2008 R2 (print only via network)	64-bit (Intel®64 or AMD64) supported CPU						
Macintosh Operating System	Mac OS X 10.4.11 10.5.x	PowerPC® G4/G5 Intel® Core™ Processor	512 MB	1 GB	80 MB	400 MB	Printing, Scanning	USB, 10/100 Base Tx (Ethernet), Wireless 802.11 b/g
	Mac OS X 10.6.x	Intel® Core™ Processor	1 GB	2 GB				

1 Internet Explorer® 6.0 or greater.

2 For WIA, 1200 x 1200 resolution. Brother Scanner Utility enables to enhance up to 19200 x 19200 dpi.

3 Third-party USB ports are not supported.

4 PaperPort™ 11SE supports Microsoft® SP4 or higher for Windows® 2000.

5 PaperPort™ 12SE supports Microsoft® SP3 or higher for Windows® XP and SP2 or higher for Windows Vista® and Windows® 7.

For the latest driver updates, visit http://solutions.brother.com/.

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D

Consumable items

Toner Cartridge	Starter Toner Cartridge:	Approx. 700 pages (Letter) [1]
	Standard Toner Cartridge: TN-420	Approx. 1,200 pages (Letter) [1]
	High-Yield Toner Cartridge: TN-450	Approx. 2,600 pages (Letter) [1]
Drum Unit	DR-420	Approx. 12,000 pages (Letter) [2]

[1] Approx. cartridge yield is declared in accordance with ISO/IEC 19752.

[2] Drum yield is approximate, and may vary by type of use.

Network (LAN) (DCP-7065DN / HL-2280DW)

Note

For details about the full Network specifications, see the *Network User's Guide*.

LAN	You can connect your machine to a network for Network Printing and Network Scanning. Also included is Brother BRAdmin Light [1] Network Management software.	
Security Protocols		
Wired	APOP, POP before SMTP, SMTP-AUTH	
Wireless	APOP, POP before SMTP, SMTP-AUTH	
Wireless Network Security (HL-2280DW)	WEP 64/128 bit, WPA-PSK (TKIP/AES), WPA2-PSK (AES)	
Wireless Network Setup Support Utility (HL-2280DW)	**AOSS™**	Yes
	WPS	Yes

[1] BRAdmin Professional and Web BRAdmin are available as a download from http://solutions.brother.com/.

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EQUIPMENT ATTACHMENT LIMITATIONS
(Canada only)

NOTICE

This product meets the applicable Industry Canada technical specifications.

NOTICE

The Ringer Equivalence Number is an indication of the maximum number of devices allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices does not exceed five.

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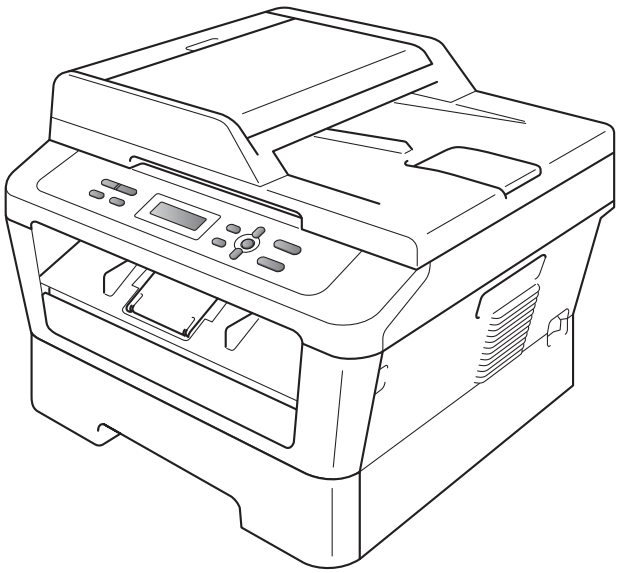
http://www.brother.com/

These machines are approved for use in the country of purchase only. Local Brother companies or their dealers will only support machines purchased in their own countries.

ADVANCED USER'S GUIDE



DCP-7060D
DCP-7065DN
HL-2280DW

Not all models are available in all countries.

Version 0

USA/CAN

User's Guides and where do I find it?

Which manual?	What's in it?	Where is it?
Safety and Legal	Read this Guide first. Please read the Safety Instructions before you set up your machine. See this Guide for trademarks and legal limitations.	Printed / In the Box
Quick Setup Guide	Follow the instructions for setting up your machine and installing the drivers and software for the operating system and connection type you are using.	
Basic User's Guide	Learn the basic Copy and Scan operations and how to replace consumables. See troubleshooting tips.	
Advanced User's Guide	Learn more advanced operations: Copy, printing reports, and performing routine maintenance.	PDF file / Documentation CD-ROM / In the Box
Software User's Guide	Follow these instructions for Printing and Scanning (for DCP-7065DN and HL-2280DW). Instructions are included for Network Scanning and using the Brother ControlCenter utility.	
Network Glossary (For DCP-7065DN and HL-2280DW)	This Guide provides basic information about advanced network features of Brother machines along with explanations about general networking and common terms.	
Network User's Guide (For DCP-7065DN and HL-2280DW)	This Guide provides useful information about wired and wireless network settings and security settings using the Brother machine. You can also find supported protocol information for your machine and detailed troubleshooting tips.	

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1 General Setup

Memory Storage

Your menu settings are stored permanently, and in the event of a power failure will *not* be lost. Temporary settings (for example, Contrast) *will* be lost.

Ecology features

Toner Save

You can save toner using this feature. When you set Toner Save to `On`, print appears lighter. The default setting is `Off`.

1. Press **Menu**.
2. Press ▲ or ▼ to choose `1.General Setup` and press **OK**.
3. Press ▲ or ▼ to choose `2.Ecology` and press **OK**.
4. Press ▲ or ▼ to choose `1.Toner Save` and press **OK**.

   ```
   Ecology
   1.Toner Save
   ```

5. Press ▲ or ▼ to choose `On` or `Off` and press **OK**.
6. Press **Stop/Exit**.

Note

We do not recommend Toner Save for printing Photo or Gray Scale images.

Sleep Mode

The Sleep Mode Setting can reduce power consumption. When the machine is in Sleep Mode (Power Save mode) it acts as if it is turned off. Receiving data or starting an operation wakes up the machine from Sleep mode to Ready mode.

You can choose how long the machine must be idle before it goes into sleep mode. When the machine receives computer data or makes a copy, the timer will be reset. The default setting is 3 minutes.

While the machine is in sleep mode the LCD will show `Sleep`.

1. Press **Menu**.
2. Press ▲ or ▼ to choose `1.General Setup` and press **OK**.
3. Press ▲ or ▼ to choose `2.Ecology` and press **OK**.
4. Press ▲ or ▼ to choose `2.Sleep Time` and press **OK**.

   ```
   Ecology
   2.Sleep Time
   ```

5. Press ▲ or ▼ to enter the length of time the machine is idle before entering sleep mode.
   Press **OK**.
6. Press **Stop/Exit**.

Deep Sleep mode

If the machine is in Sleep mode and does not receive any jobs for a certain length of time, the machine will automatically enter Deep Sleep mode, and the LCD will show `Deep Sleep`. Deep Sleep mode uses less power than Sleep mode. The machine will wake up and start warming up when the machine receives computer data or when you press a key on the control panel.

(For HL-2280DW)
If a wireless network is enabled, the machine does not enter Deep Sleep mode. To disable the wireless network, see *Chapter 3* in the *Network User's Guide*.

Toner Settings

Toner Setting (Continue Mode)

You can set the machine to continue printing after the LCD shows `Replace Toner`.
The machine will continue printing until the LCD shows `Toner Ended`.
The default setting is `Stop`.

1. Press **Menu**.
2. Press ▲ or ▼ to choose `1.General Setup` and press **OK**.
3. Press ▲ or ▼ to choose `4.Replace Toner` and press **OK**.

   ```
   General Setup
   4.Replace Toner
   ```

4. Press ▲ or ▼ to choose `Continue` or `Stop`.
   Press **OK**.
5. Press **Stop/Exit**.

Note

- If you continue printing in the Continue mode, we cannot guarantee the print quality.
- While using Continue mode the print may appear faint.

LCD Contrast

You can change the contrast to make the LCD look lighter or darker.

1. Press **Menu**.
2. Press ▲ or ▼ to choose `1.General Setup` and press **OK**.
3. Press ▲ or ▼ to choose `3.LCD Contrast` and press **OK**.

```
General Setup
3.LCD Contrast
```

4. Press ▲ to make the LCD darker. Or, press ▼ to make the LCD lighter. Press **OK**.
5. Press **Stop/Exit**.

User Settings List

You can print a list of the settings you programmed.

1. Press **Menu**.
2. (For DCP-7060D)
   Press ▲ or ▼ to choose `3.Machine Info.` and press **OK**.

   (For DCP-7065DN)
   Press ▲ or ▼ to choose `4.Machine Info.` and press **OK**.

   (For HL-2280DW)
   Press ▲ or ▼ to choose `5.Machine Info.` and press **OK**.
3. Press ▲ or ▼ to choose `3.User Settings`.
   Press **OK**.
4. Press **Start**.
5. Press **Stop/Exit**.

Network Configuration List (For DCP-7065DN / HL-2280DW)

The Network Configuration List prints a listing of all the current network configuration, including the network print server settings.

Note

Node name: Node name appears in the Network Configuration List. The default node name is “BRNXXXXXXXXXXXX”.

1. Press **Menu**.
2. (For DCP-7065DN)
   Press ▲ or ▼ to choose `4.Machine Info.`.
   Press **OK**.

   (For HL-2280DW)
   Press ▲ or ▼ to choose `5.Machine Info.`.
   Press **OK**.
3. Press ▲ or ▼ to choose `4.Network Config`.
   Press **OK**.
4. Press **Start**.
5. Press **Stop/Exit**.

WLAN Report (HL-2280DW only)

Prints the result of wireless LAN connectivity diagnosis.

1. Press **Menu**.
2. Press ▲ or ▼ to choose `5.Machine Info.`.
   Press **OK**.
3. Press ▲ or ▼ to choose `5.WLAN Report`.
   Press **OK**.
4. Press **Start**.
5. Press **Stop/Exit**.

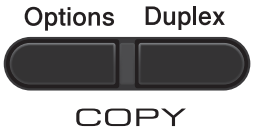
Scanning using a scanner driver

For information about using a scanner driver, see *Scanning a document using the TWAIN driver* or *Scanning a document using the WIA driver* in the *Software User's Guide*.

2 Making copies

Copy settings

When you want to quickly change the copy settings temporarily for the next copy, use the temporary **COPY** keys. You can use different combinations.



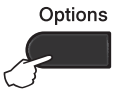
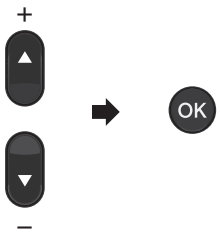
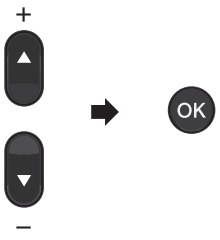
The machine returns to its default settings one minute after copying.

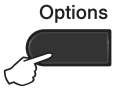
Stop copying

To stop copying, press **Stop/Exit**.

Using the Options key

Make sure you are in Copy mode. Use the **Options** key to quickly set the following copy settings temporarily for the next copy.

Press	Menu selections	Options	Page
	Press ▲ or ▼, then press **OK** 	Press ▲ or ▼, then press **OK** 	
	Quality	**Auto*** Text Photo Graph	8
	Stack/Sort (For DCP-7065DN: Appears when the document is in the ADF)	**Stack*** Sort	8
	Brightness	−■□□□□+ −□■□□□+ **−□□■□□+*** −□□□■□+ −□□□□■+	9
	Contrast	−■□□□□+ −□■□□□+ **−□□■□□+*** −□□□■□+ −□□□□■+	9

Press	Menu selections	Options	Page
Options 	Enlarge/Reduce	**100%***	8
		97% LTR→A4	
		94% A4→LTR	
		91% Full Page	
		85% LTR→EXE	
		83% LGL→A4	
		78% LGL→LTR	
		70% A4→A5	
		50%	
		Custom(25-400%)	
		Auto [1]	
		200%	
		141% A5→A4	
		104% EXE→LTR	
	Page Layout	**Off(1 in 1)***	10
		2 in 1 (P) [2]	
		2 in 1 (L) [2]	
		2 in 1 (ID)	
		4 in 1 (P) [2]	
		4 in 1 (L) [2]	

[1] When using the ADF

[2] (P) means Portrait and (L) means Landscape.

The factory settings are shown in Bold with an asterisk.

Improving copy quality

You can choose from a range of quality settings. The default setting is Auto.

- Auto

  Auto is the recommended mode for ordinary printouts. Suitable for documents that contain both text and photographs.

- Text

  Suitable for documents containing only text.

- Photo

  Suitable for copying photographs.

- Graph

  Suitable for copying receipts.

To *temporarily* change the quality setting, follow the steps below:

1. Load your document.
2. Press ▲ or ▼ to enter the number of copies you want.
3. Press **Options**.
   Press ▲ or ▼ to choose Quality.
   Press **OK**.
4. Press ▲ or ▼ to choose Auto, Text, Photo or Graph.
   Press **OK**.
5. Press **Start**.

To change the *default* setting, follow the steps below:

1. Press **Menu**.
2. Press ▲ or ▼ to choose 2.Copy.
   Press **OK**.
3. Press ▲ or ▼ to choose 1.Quality.
   Press **OK**.
4. Press ▲ or ▼ to choose the copy quality.
   Press **OK**.
5. Press **Stop/Exit**.

Sorting copies using the ADF (For DCP-7065DN)

You can sort multiple copies. Pages will be stacked in the order 1 2 3, 1 2 3, 1 2 3, and so on.

1. Load your document in the ADF.
2. Press ▲ or ▼ to enter the number of copies you want.
3. Press **Options**.
   Press ▲ or ▼ to choose Stack/Sort.
   Press **OK**.
4. Press ▲ or ▼ to choose Sort.
   Press **OK**.
5. Press **Start**.

Enlarging or reducing the image copied

You can choose the enlargement or reduction ratios.

To enlarge or reduce the next copy follow the instructions below:

1. Load your document.
2. Press ▲ or ▼ to enter the number of copies you want.
3. Press **Options**.
4. Press ▲ or ▼ to choose Enlarge/Reduce, then press **OK**.
5. Do one of the following:
   - Press ▲ or ▼ to choose the enlargement or reduction ratio you want.

     Press **OK**.
   - Press ▲ or ▼ to choose Custom(25-400%).

     Press **OK**.

Press ▲ or ▼ to enter an enlargement or reduction ratio from `25%` to `400%`.

Press **OK**.

(For DCP-7065DN) `Auto` sets the machine to calculate the reduction ratio that best fits the size of paper. `Auto` is only available when using the ADF.

`Custom(25-400%)` allows you to enter a ratio from `25%` to `400%`.

6. Press **Start**.

Note

Page Layout Options 2 in 1 (P), 2 in 1 (L), 2 in 1 (id), 4 in 1 (P) and 4 in 1 (L) are *not* available with `Enlarge/Reduce`.

Adjusting Contrast and Brightness

Contrast

Adjust the contrast to help an image look sharper and more vivid.

To *temporarily* change the contrast setting, follow the steps below:

1. Load your document.
2. Press ▲ or ▼ to enter the number of copies you want.
3. Press **Options**.
   Press ▲ or ▼ to choose `Contrast`.
   Press **OK**.
4. Press ▲ or ▼ to increase or decrease the contrast.
   Press **OK**.
5. Press **Start**.

To change the *default* setting follow the steps below:

1. Press **Menu**.
2. Press ▲ or ▼ to choose `2.Copy`.
   Press **OK**.
3. Press ▲ or ▼ to choose `3.Contrast`.
   Press **OK**.
4. Press ▲ or ▼ to increase or decrease the contrast.
   Press **OK**.
5. Press **Stop/Exit**.

Brightness

Adjust the copy brightness to make copies darker or lighter.

To *temporarily* change the copy brightness setting, follow the steps below:

1. Load your document.
2. Press ▲ or ▼ to enter the number of copies you want.
3. Press **Options**.
   Press ▲ or ▼ to choose `Brightness`.
   Press **OK**.
4. Press ▲ to make a lighter copy or press ▼ to make a darker copy.
   Press **OK**.
5. Press **Start**.

To change the *default* setting follow the steps below:

1. Press **Menu**.
2. Press ▲ or ▼ to choose `2.Copy`.
   Press **OK**.
3. Press ▲ or ▼ to choose `2.Brightness`.
   Press **OK**.
4. Press ▲ to make a lighter copy or press ▼ to make a darker copy.
   Press **OK**.
5. Press **Stop/Exit**.

Making N in 1 copies (page layout)

You can reduce the amount of paper used when copying by using the N in 1 copy feature. This allows you to copy two or four pages onto one page. If you want to copy both sides of an ID card onto one page, see *2 in 1 ID Copy* on page 11.

IMPORTANT

- Please make sure the paper size is set to `Letter`, `A4`, `Legal` or `Folio`.
- (`P`) means Portrait and (`L`) means Landscape.
- You cannot use the Enlarge/Reduce setting with the N in 1 feature.

1. Load your document.
2. Press ▲ or ▼ to enter the number of copies you want.
3. Press **Options**.
   Press ▲ or ▼ to choose `Page Layout`.
   Press **OK**.
4. Press ▲ or ▼ to choose `2 in 1 (P)`, `2 in 1 (L)`, `2 in 1 (ID)` [1], `4 in 1 (P)`, `4 in 1 (L)` or `Off(1 in 1)`.
   Press **OK**.

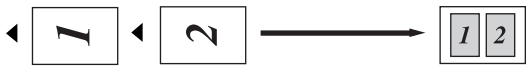
   [1] For details about `2 in 1 (ID)`, see *2 in 1 ID Copy* on page 11.
5. Press **Start** to scan the page.
   (For DCP-7065DN) If you placed the document in the ADF, the machine scans the pages and starts printing.
   If you are using the scanner glass, go to step ❻.
6. After the machine scans the page, press ▲ to scan the next page.

   ```
   Next Page?
   ▲ Yes ▼ No
   ```
7. Place the next page on the scanner glass.
   Press **OK**.
   Repeat steps ❻ and ❼ for each page of the layout.
8. After all the pages have been scanned, press ▼ in step ❻ to finish.

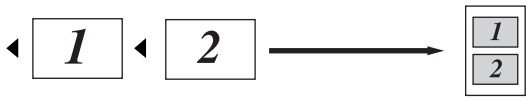
If you are copying from the ADF (For DCP-7065DN):

Insert your document *face up* in the direction shown below:

■ **2 in 1 (P)**



■ **2 in 1 (L)**



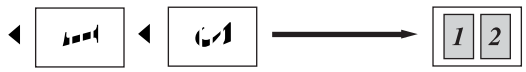
■ **4 in 1 (P)**

■ **4 in 1 (L)**

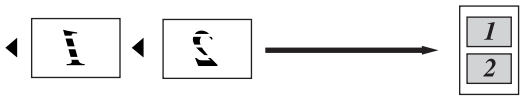
If you are copying from the scanner glass:

Place your document *face down* in the direction shown below:

■ **2 in 1 (P)**



■ **2 in 1 (L)**



■ **4 in 1 (P)**

■ **4 in 1 (L)**

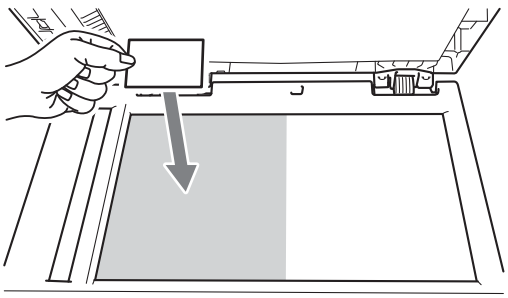
2 in 1 ID Copy

You can copy both sides of your identification card onto one page, keeping the original card size.

Note

You can copy an identification card to the extent permitted under applicable laws. See *Legal limitations for copying* in the *Safety and Legal booklet*.

1. Place your identification card *face down* on the left side of the scanner glass.



■ Even if a document is placed on the ADF, the machine scans the data from the scanner glass.

2. Press **Options**.
   Press ▲ or ▼ to choose `Page Layout`.
   Press **OK**.
3. Press ▲ or ▼ to choose `2 in 1 (ID)`.
   Press **OK**.
4. Press **Start**.
   After the machine scans the first side of the card, the LCD will show the following instruction.

   ```
   Turn over the ID
   Then Press Start
   ```

5. Turn over your identification card and place it at the left side of the scanner glass.
6. Press **Start**.
   The machine scans the other side of the card and prints the page.

Note

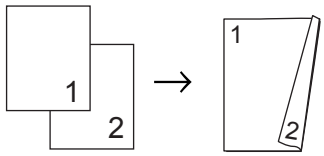
When 2 in 1 ID Copy is chosen, the machine sets the quality to `Photo` and the contrast to +2 (-□□□□■+).

Duplex Copying (1-sided to 2-sided)

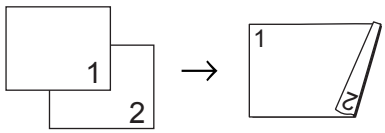
Duplex Copy (long edge flip)

■ **1 sided → 2 sided L**

Portrait



Landscape



1. Load your document.
2. Press ▲ or ▼ to enter the number of copies you want.
3. Press **Duplex** and ▲ or ▼ to select `1sided→2sided L`.

   ```
   Duplex
   1sided→2sided L
   ```

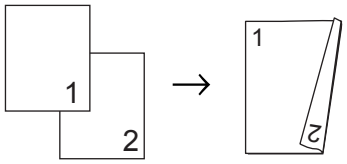
   Press **OK**.
4. Press **Start** to copy the page.
   (For DCP-7065DN) If you placed the document in the ADF, the machine scans the pages and starts printing.
   If you are using the scanner glass, go to step ❺.
5. After the machine scans the page, press ▲ to scan the next page.

   ```
   Next Page?
   ▲ Yes ▼ No
   ```
6. Place the next page on the scanner glass.
   Press **OK**.
   Repeat steps ❺ and ❻ for the remaining pages.
7. After all the pages have been scanned, press ▼ in step ❺ to finish.

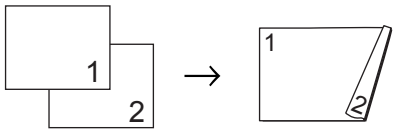
Advanced Duplex Copy (short edge flip)

■ **1 sided → 2 sided S**

Portrait



Landscape



1. Load your document.
2. Press ▲ or ▼ to enter the number of copies you want.
3. Press **Duplex** and ▲ or ▼ to select `1sided→2sided S`.

   ```
   Duplex
   1sided→2sided S
   ```

   Press **OK**.
4. Press **Start** to copy the page.
   (For DCP-7065DN) If you placed the document in the ADF, the machine scans the pages and starts printing.
   If you are using the scanner glass, go to step ❺.
5. After the machine scans the page, press ▲ to scan the next page.

   ```
   Next Page?
   ▲ Yes ▼ No
   ```
6. Place the next page on the scanner glass.
   Press **OK**.
   Repeat steps ❺ and ❻ for the remaining pages
7. After all the pages have been scanned, press ▼ in step ❺ to finish.

A Routine maintenance

Cleaning the machine

Clean the outside and inside of the machine regularly with a dry, lint-free soft cloth. When you replace the toner cartridge or the drum unit, make sure that you clean the inside of the machine.

WARNING

DO NOT use cleaning materials that contain ammonia, alcohol, any type of spray, or any type of flammable substance to clean the outside or inside of the machine. Doing this may cause a fire or electrical shock.
See *To use the product safely* in the *Safety and Legal booklet* for how to clean the machine.

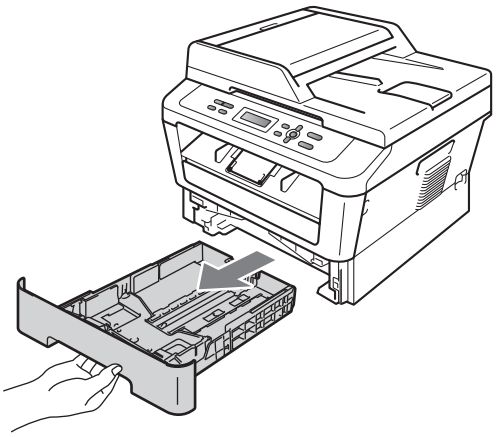
Be careful not to inhale toner.

IMPORTANT

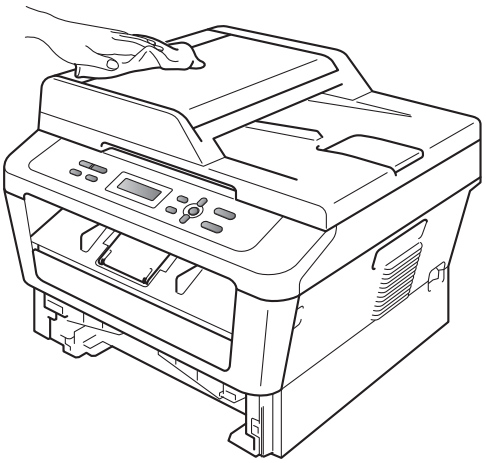
Use neutral detergents. Cleaning with volatile liquids such as thinner or benzine will damage the surface of the machine.

Cleaning the outside of the machine

1. Turn off the machine's power switch. Unplug the telephone line cord first, disconnect all cables, and then unplug the power cord from the AC power outlet.
2. Pull the paper tray completely out of the machine.

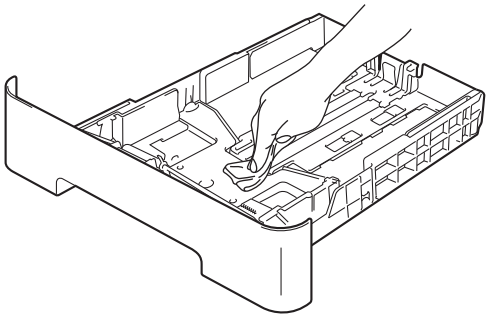


3. Wipe the outside of the machine with a dry, lint-free soft cloth to remove dust.



4 Remove any paper that is in the paper tray.

5 Wipe the inside and the outside of the paper tray with a dry, lint-free soft cloth to remove dust.



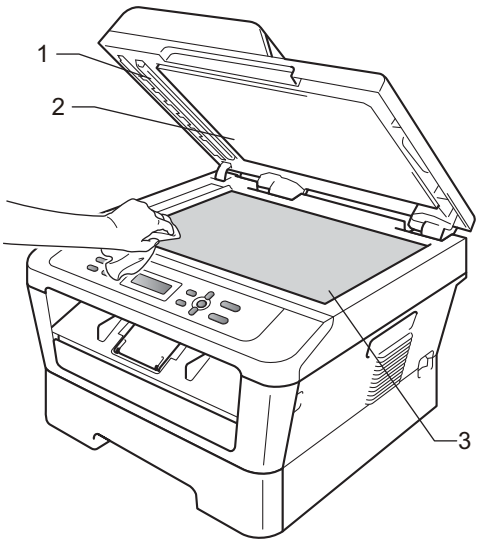
6 Re-load the paper and put the paper tray firmly back in the machine.

7 Plug the machine's power cord back into the AC power outlet first, connect all cables, and then plug in the telephone line cord. Turn on the machine's power switch.

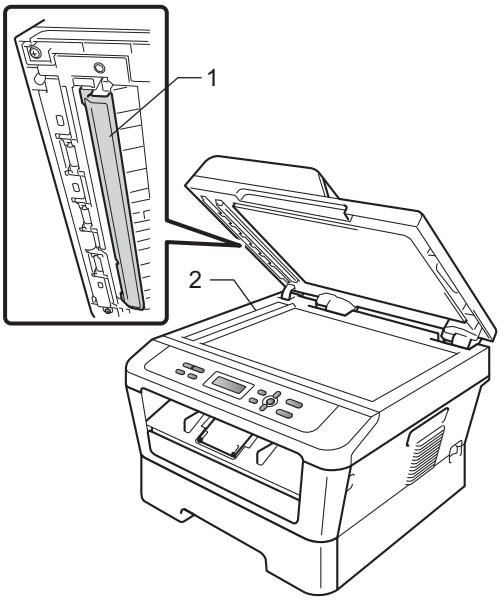
Cleaning the scanner

1 Turn off the machine's power switch. Disconnect all cables, and then unplug the power cord from the AC power outlet.

2 Lift the document cover (1).
Clean the white plastic surface (2) and scanner glass (3) underneath it with a soft lint-free cloth moistened with water.



3 (For DCP-7065DN) In the ADF unit, clean the white bar (1) and the glass strip (2) underneath it with a soft lint-free cloth moistened with water.



A

Note

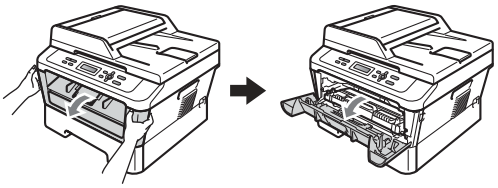
In addition to cleaning the scanner glass and glass strip with a soft lint-free cloth moistened with water, run your finger tip over the glass to see if you can feel anything on it. If you feel dirt or debris, clean the glass again concentrating on that area. You may need to repeat the cleaning process three or four times. To test, make a copy after each cleaning.

4 Plug the machine's power cord back into the AC power outlet first, connect all cables, and then plug in the telephone line cord. Turn on the machine's power switch.

Cleaning the corona wire

If you have print quality problems, clean the corona wire as follows:

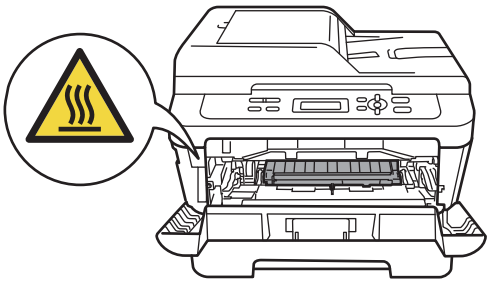
1 Open the front cover and leave the machine turned on for 10 minutes to cool down.

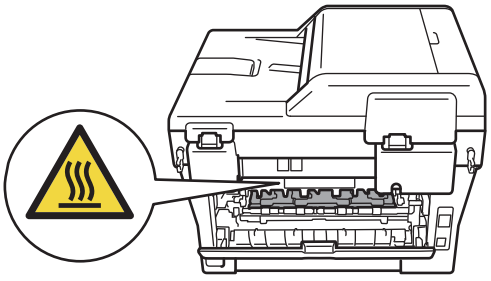


WARNING

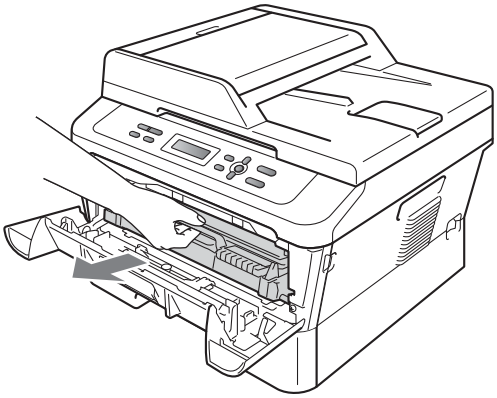
HOT SURFACE

After you have just used the machine, some internal parts of the machine will be extremely hot. When you open the front or back cover (back output tray) of the machine, DO NOT touch the shaded parts shown in the illustration. If you do this, you may get burned.





2 Slowly take out the drum unit and toner cartridge assembly.

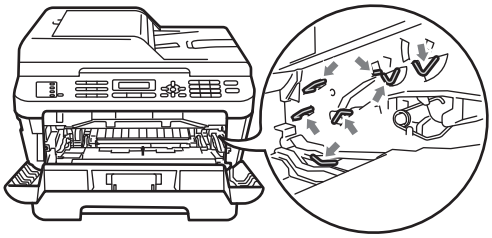


CAUTION

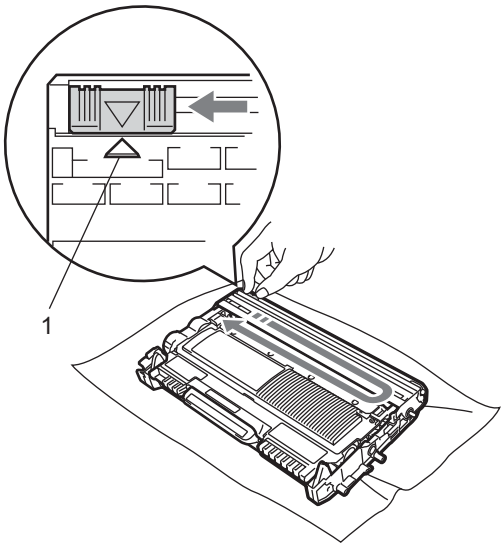
We recommend that you place the drum unit and toner cartridge assembly on a clean, flat surface with a sheet of disposable paper or cloth underneath it in case you accidentally spill or scatter toner.

Handle the toner cartridge carefully. If toner scatters on your hands or clothes, immediately wipe or wash it off with cold water.

To prevent damage to the machine caused by static electricity, DO NOT touch the electrodes shown in the illustration.



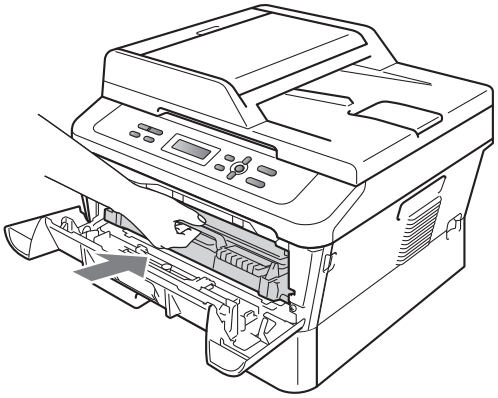
3 Clean the corona wire inside the drum unit by gently sliding the green tab from left to right and right to left several times.



Note

Be sure to return the tab to the home position (▲) (1). If you do not, printed pages may have a vertical stripe.

4 Put the drum unit and toner cartridge assembly back into the machine. Close the front cover.



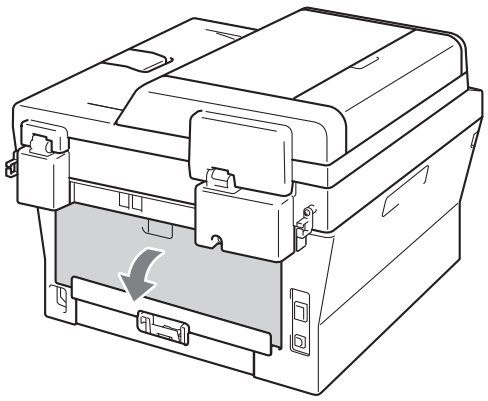
Cleaning the drum unit

If you have print quality problems, the drum may have foreign material, such as glue from a label stuck on the drum surface. Follow the steps below to solve the problem.

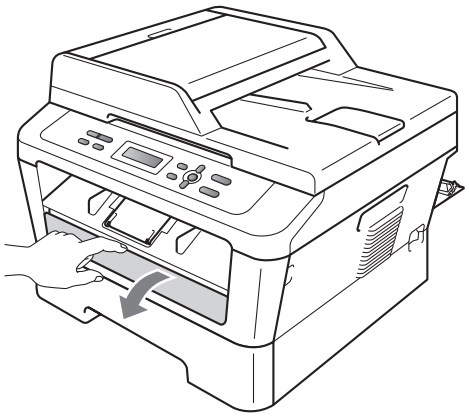
1 Prepare blank A4 or Letter size paper.

2 Make sure the machine is in Ready mode.

3 Open the back cover (face-up output tray).

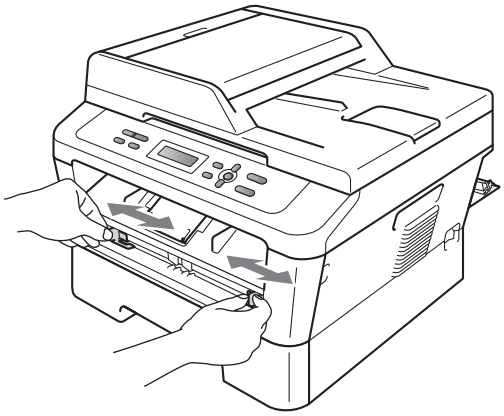


4 Open the manual feed slot cover.

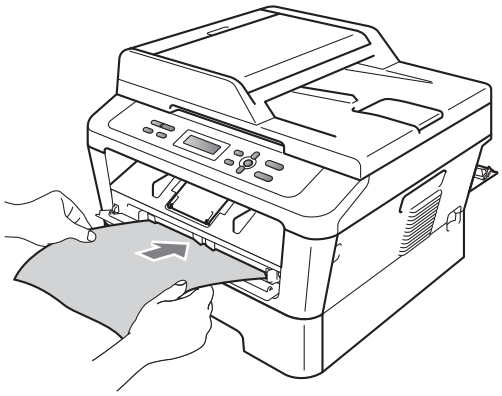


5 Press **Clear** and **Menu** at the same time. The `Drum Cleaning` message will appear on the LCD.

6 Using both hands, slide the manual feed paper guides to the width of the paper that you are going to use.



7 Using both hands, put one piece of A4 or Letter size paper in the manual feed slot until the top edge of the paper touches the paper feed roller. When you feel the machine pull in the paper, let go. The machine will start the Drum Cleaning process.



Note

- The machine makes a mechanical noise during the Drum Cleaning process because the machine rotates the OPC drum in reverse. This noise is not due to a malfunction of the machine.
- DO NOT put more than one sheet of paper in the manual feed slot at any one time, as it may cause a jam.
- If the paper in the manual feed slot is other than A4 or Letter size, the machine will stop the Drum Cleaning process and eject the paper.
- Make sure that the paper is straight and in the proper position in the manual feed slot. If it is not, it may not be fed properly, resulting in a paper jam.
- DO NOT close the back cover (face-up output tray) during the Drum Cleaning process. The machine will stop the Drum Cleaning process and eject the paper. It may cause a jam.

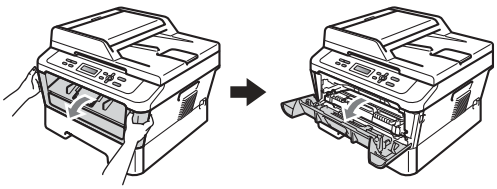
- If the machine receives a print job before you put the sheet of paper in the manual feed slot, the machine will finish the Drum Cleaning process first, and then print the print job.

8 When the machine has finished cleaning, the machine returns to Ready mode.

9 Repeat steps ❺ to ❽ two more times using a new blank sheet of paper each time. Upon completion please discard the used paper.

If the problem is not solved yet, follow the steps below.

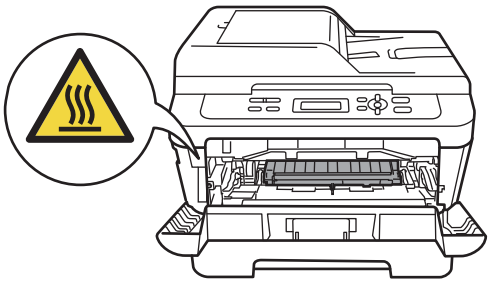
1 Open the front cover and leave the machine turned on for 10 minutes to cool down.

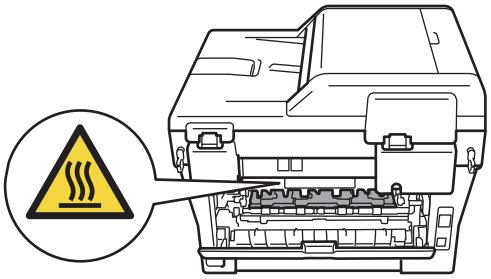


⚠ WARNING

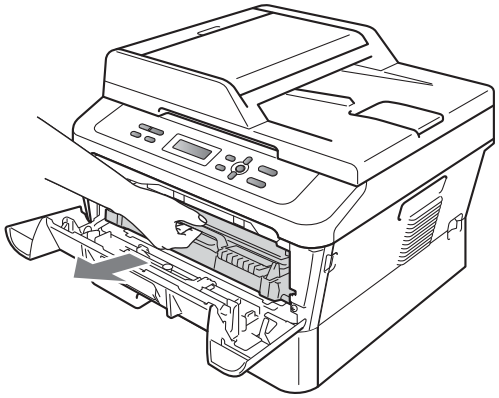
HOT SURFACE

After you have just used the machine, some internal parts of the machine will be extremely hot. When you open the front or back cover (back output tray) of the machine, DO NOT touch the shaded parts shown in the illustration. If you do this, you may get burned.





2 Slowly take out the drum unit and toner cartridge assembly.

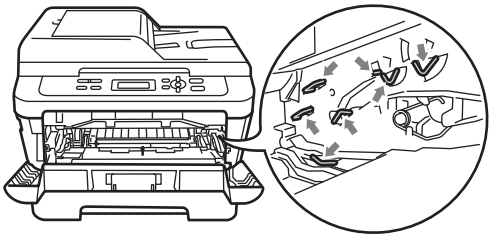


⚠ CAUTION

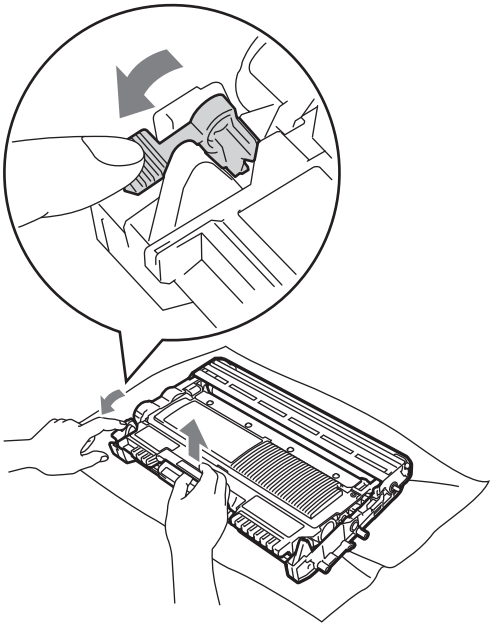
We recommend that you put the drum unit and toner cartridge assembly on a clean, flat surface with a sheet of disposable paper or cloth underneath it in case you accidentally spill or scatter toner.

Handle the toner cartridge carefully. If toner scatters on your hands or clothes, immediately wipe or wash it off with cold water.

To prevent damage to the machine caused by static electricity, DO NOT touch the electrodes shown in the illustration.

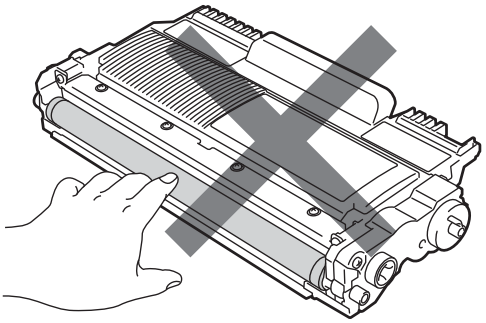


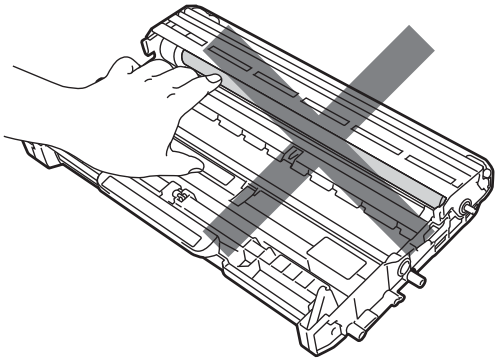
3 Push down the green lock lever and take the toner cartridge out of the drum unit.



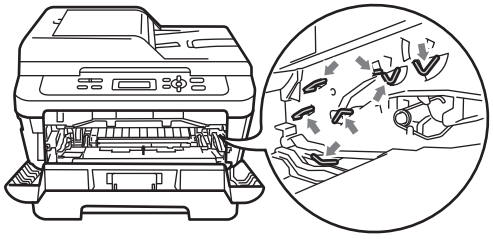
IMPORTANT

- To avoid print quality problems, DO NOT touch the shaded parts shown in the illustrations below.

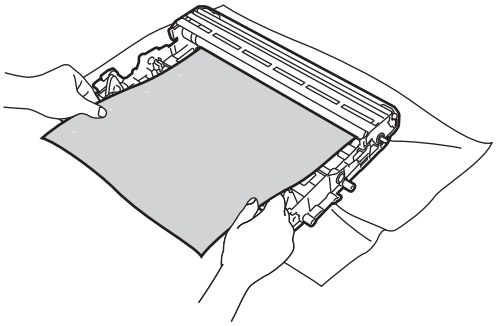




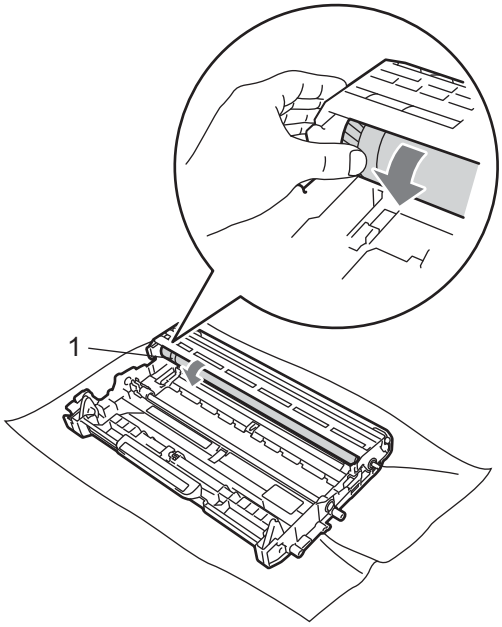
- To prevent damage to the machine from static electricity, DO NOT touch the electrodes shown in the illustration.



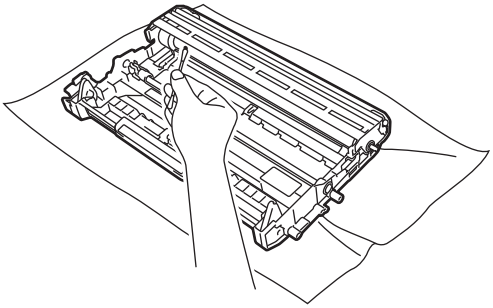
4 Put the print sample in front of the drum unit, and find the exact position of the poor print.



5 Turn the drum unit gear by hand while looking at the surface of the OPC drum (1).



6 When you have found the mark on the drum that matches the print sample, wipe the surface of the OPC drum with a *dry* cotton swab until the dust or glue on the surface comes off.

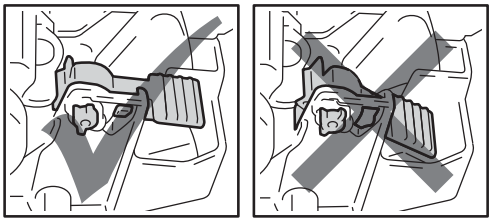


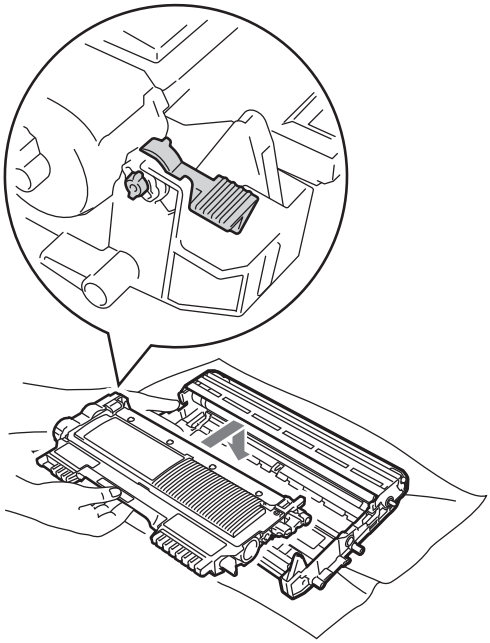
IMPORTANT

DO NOT clean the surface of the photosensitive drum with a sharp object.

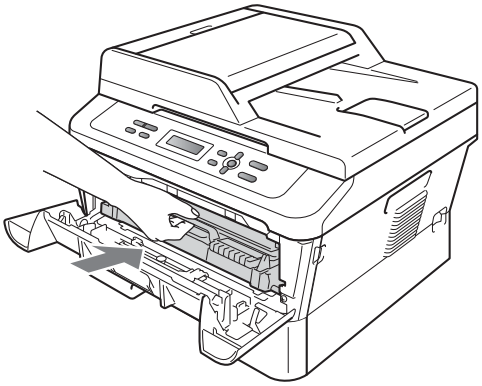
A

7 Put the toner cartridge back into the drum unit until you hear it lock into place. If you put the cartridge in properly, the green lock lever will lift automatically.





8 Put the drum unit and toner cartridge assembly back in the machine.



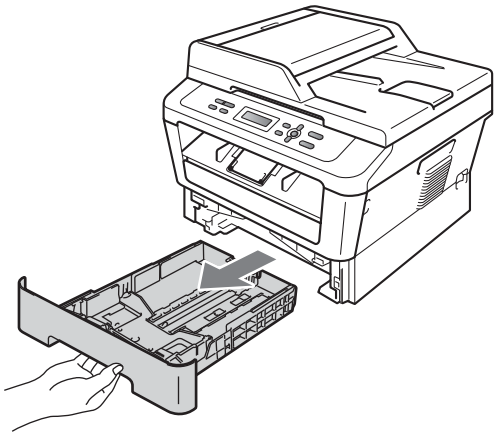
9 Close the front cover.

Cleaning the paper pick-up rollers

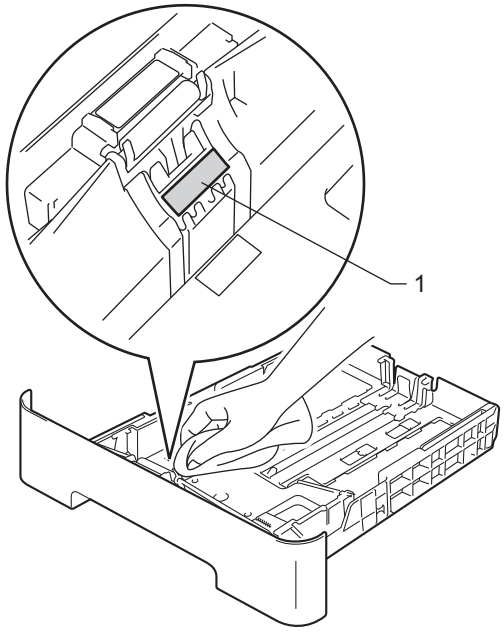
If you have paper feed problems, clean the pick-up rollers as follows:

1 Turn off the machine's power switch. Unplug the power cord from the AC power outlet.

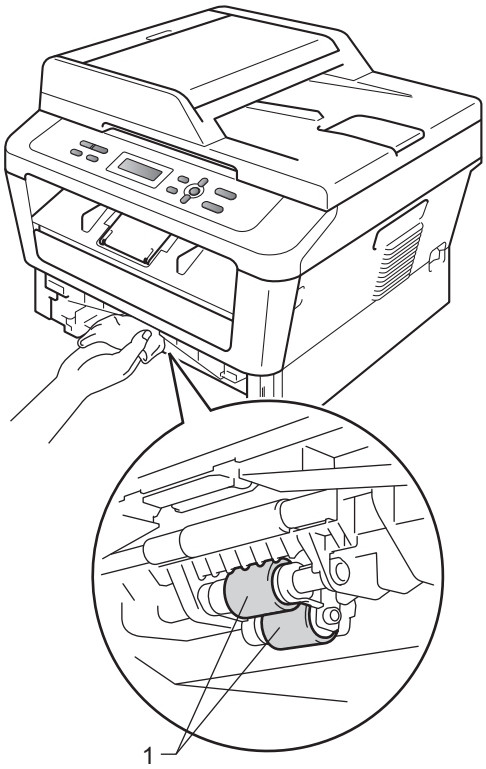
2 Pull the paper tray completely out of the machine.



3 Tightly wring out a lint-free cloth soaked in lukewarm water, and then wipe the separator pad (1) of the paper tray with it to remove dust.



4 Wipe the two pick-up rollers (1) inside of the machine to remove dust.



5 Put the paper tray back in the machine.

6 Plug the machine's power cord back into the AC power outlet. Turn on the machine's power switch.

Checking the machine

Checking the Page Counters

You can see the machine's Page Counters for copies, printed pages, reports and lists or a summary total.

1. Press **Menu**.
2. Press ▲ or ▼ to choose one of the following:
   - `3.Machine Info.` (DCP-7060D)
   - `4.Machine Info.` (DCP-7065DN)
   - `5.Machine Info.` (HL-2280DW)

   Press **OK**.
3. Press ▲ or ▼ to choose `2.Page Counter`.
   Press **OK**.

   ```
   Machine Info.
   2.Page Counter
   ```
4. Press ▲ or ▼ to see `Total`, `List`, `Copy` or `Print`.
5. Press **Stop/Exit**.

Checking the remaining life of the drum unit

You can see the machine's parts life on the LCD.

1. Press **Menu**.
2. Press ▲ or ▼ to choose one of the following:
   - `3.Machine Info.` (DCP-7060D)
   - `4.Machine Info.` (DCP-7065DN)
   - `5.Machine Info.` (HL-2280DW)

   Press **OK**.
3. Press ▲ or ▼ to choose one of the following:
   - `4.Drum Life` (DCP-7060D)
   - `5.Drum Life` (DCP-7065DN)
   - `6.Drum Life` (HL-2280DW)

   Press **OK**.
4. Press **Stop/Exit**.

Note

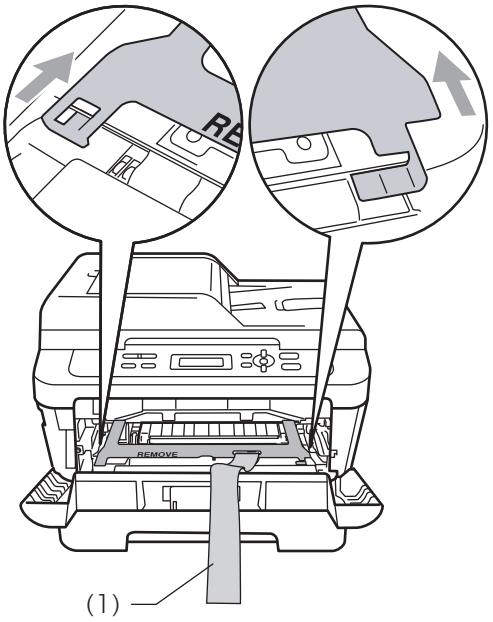
The life check will be accurate only if you have reset the part counter when you installed a new part. It will not be accurate if that part's life counter was reset during the life of the used part.

Packing and shipping the machine

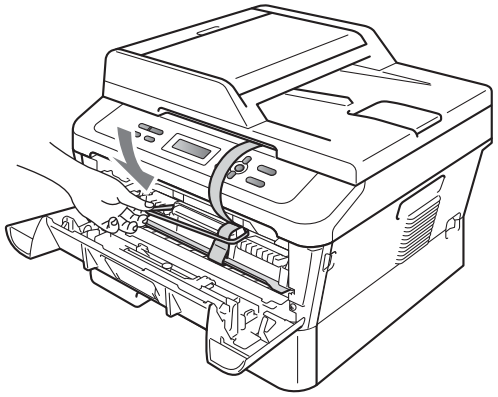
Note

- If for any reason you must ship your machine, carefully repack the machine in the original packaging to avoid any damage during transit. The machine should be adequately insured with the carrier.
- If you are returning your machine to Brother as part of the Exchange Service, pack only the machine. Keep all separate parts, including the drum unit, the toner cartridges, and printed materials to use with your 'Exchange' machine.

1. Turn off the machine's power switch. Disconnect all the cables, and then unplug the power cord from the AC power outlet. Leave the machine turned off for at least 10 minutes to cool down.
2. Open the front cover.
3. Remove the drum unit and toner cartridge assembly. Leave the toner cartridge installed in the drum unit.
4. Put the protective material (1) in the machine with the "REMOVE" text to the left, as shown in the illustration.

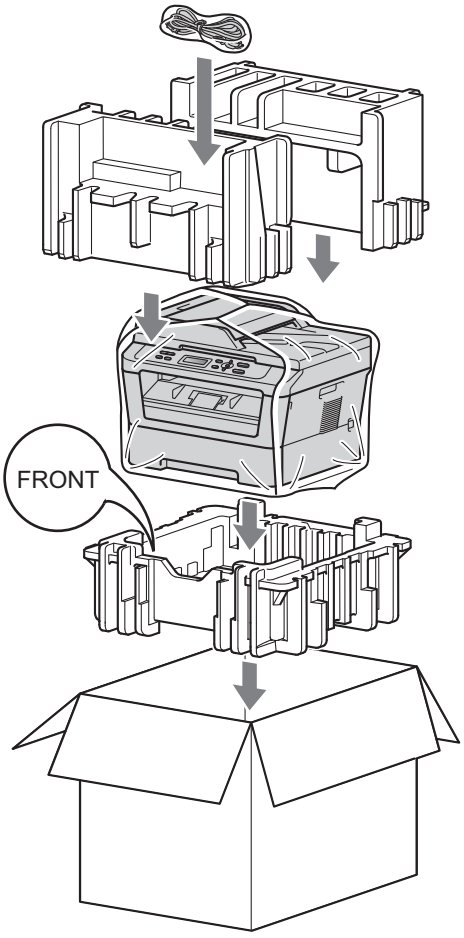


5. Put the drum unit and toner cartridge assembly back into the machine.
6. Put the elastic band over the handle of the drum unit, as shown in the illustration.



7. Close the front cover.
8. Put the machine into the bag it originally came in.

9 Pack the AC cord and printed materials in the original carton as shown below:



10 Close the carton and tape it shut.

B Glossary

This is a comprehensive list of features and terms that appear in Brother manuals. Availability of these features depends on the model you purchased.

ADF (automatic document feeder (For DCP-7065DN))
The document can be placed in the ADF and scanned one page at a time automatically.

Cancel Job
Cancels a programmed print job and clears the machine's memory.

Contrast
Setting to compensate for dark or light documents, by making copies of dark documents lighter and light documents darker.

Gray Scale
The shades of gray available for copying photographs.

LCD (liquid crystal display)
The display screen on the machine that shows interactive messages during On-Screen Programming and shows the date and time when the machine is idle.

Menu mode
Programming mode for changing your machine's settings.

OCR (optical character recognition)
ScanSoft™ PaperPort™ 12SE with OCR or Presto! PageManager software application converts an image of text to text you can edit.

Resolution
The number of vertical and horizontal lines per inch.

Scanning
The process of sending an electronic image of a paper document into your computer.

Temporary settings
You can choose certain options for each copy without changing the default settings.

User Settings List
A printed report that shows the current settings of the machine.

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